# Heavy Volume of Freight Handled on Busy Ohio Central Division

## Extensive Coal Fields as Well as Industrial Centers Served

Twenty-Three Per Cent of System's Soft Coal Traffic Moved Over This Route in 1944 — 160 Plants Are on Line

FEW days spent on the Ohio Central Division would be an A education for anyone who had never had the opportunity to visit it. It is true practically the entire line is single tracked and speeds are not comparable with those on through main line Divisions, but a heavy volume of traffic is there and its handling over more than 700 miles of line is a compliment to the personnel in that busy

The Ohio Central Division is primarily a freight line, serving extensive coal fields in southern Ohio and West Virginia as well as many important industrial areas. In 1944, the Division's coal traffic equalled 23% plus of all bituminous coal moved on the entire New York Central System.

A total of 99,779 carloads of coal originated on the the line, exclusive of 7,034 cars loaded on the Nicholas, Fayette & Greenbriar On and routed New York Central, and an additional 180,289 carloads received from connections, making in all 287,102 carloads of coal.

On the entire System in the same year 1,207,907 carloads of bituminous coal were moved.

While computes more Ohio Central Division, extends north-word of only

While coal treffic computes more Ohio Central Division, extends north-word of only

At Columbus, Fostoria, and Hobson, miles, the line follows the Gauley and Stanley to Findloy in 1883. The line between Stanley and Findloy in 1884. The line between Stanley and Findloy in 1884. The line between Stanley and Findloy in 1883. The lin A total of 99,779 carloads of coal originated on the the line, ex-

While coal traffic comprises more Ohio Central Division, extends north

minous coal were moved.

While coal traffic comprises more than half of the total freight business of the Ohio Central Division, extends north and alf of the total freight business of the Ohio Central Division, there are other important kinds of freight, epitric play from the industries located in the great Kanawha River Valley of West Virginia. The major industries served, in order of their importance from a traffic standpoint, are chemical, iron and steet, glassware, machinery, sand and cement, synthetic rubber, rayon, and textile.

As an indication of the density of traffic over this single-tracked railroad, figures for a representative month reveal that in freight business alone, a total of 3,925 trains were handled on it. This is, of course, in addition to passenger service between Toledo and Columbus, Ohio, and Charleston and West Virginia. Big Four trains, both freight and passenger, operated over the territory from Toledo to Berwick, and Virginian trains, both freight and passenger, persuade over the territory from Toledo to Berwick, and Virginian trains, both freight and passenger, persuade over the territory from Toledo to Berwick, and Virginian trains, both freight and passenger, persuade over the territory from Toledo to Berwick, and Virginian trains, both freight and passenger trains are operated on the Nicholas, Fayette & Greenbriar to 115.

Two Sub-Divisions, the other thous on the Ohio and West Virginia. Its addition also trains are operated on the Nicholas, Fayette & Greenbriar to 115.

Two Sub-Divisions, the other thousand and the mountains of West Virginia. In addition also trains are operated on the Nicholas, Fayette & Greenbriar to 115.

Two Sub-Divisions, the other thousand the other content half is fairly level, while in orthern half of the Nicholas, Fayette & Greenbriar trail points the Nicholas, Fayette & Greenbriar to 115.

Two Sub-Divisions, known of the density of the Nicholas of the Nicho

approximately 50 mines, 16 of which

The combined main line mileage

are located in southern Ohio and 34 from Stanley Yard to Swiss, including

Between these two points there are in West Virginia. Sixteen of the West both of the northern branches, totals four switchbacks, and the maximum

### 800,000,000 Tons to be Mined

It is estimated that there are approximately 800,000,000 tons of un-mined marketable bituminous coal re-maining in the territory served by the Toledo & Ohio Central, and some 350,000,000 tons in the area tributary to the Nicholas, Fayette & Greenbriar.

The Ohio Central Division consists of the Toledo & Ohio Central Railway; the Zanesville Terminal Railroad, owned jointly by the New York Cen-tral System and the Pennsylvania Railtral System and the Pennsylvania Rail-road; the Federal Valley Railroad, a short line of approximately 16 miles between Palos, O., located some five and one-half miles south of Corning, at Lathrop, wholly owned by the New York Central; and the Nicholas, Fay-ette & Greenbriar Railroad, owned in evusl shares by the New York Central

Some Ohio Division Officers



Rear row, left to right: W. J. Embree, Agricultural Representative; C. C. Carson, Captain of Police; W. N. Clark, Trainmaster; W. G. Bristow, Lond & Tax Agent; D. K. Robinson, Chief Train Dispatcher; W. C. Wardwell, Master Mechanic: W. R. Waide, Signal Supervisor; J. N. Jones, Road Foreman of Engines; H. V. Hecox, Road Foreman of Engines; G. W. Bloom, Assistant Division Engineer; F. K. Pickett, Trainmaster; G. W. Brittingham, District Claim Agent. Front row: W. F. Davis, Trainmaster; J. W. Crowley, Assistant Superintendent; J. H. Spooner, Superintendent; L. S. Emery, Assistant Superintendent; and P. H. Clifford, Trainmaster.

resses from one end of the Division to approach grade northbound of only the other. Generally speaking, the 0.3% compensated for curvature. From the other. Generally speaking, the 0.3% compensated for curvature. From ton, the line between Charleston on the country of 12 miles, the line follows the Ohio 1890, between Malden Gauley Brit River and the south it runs into the hill country of 12 miles, the line follows the Ohio 1890, between Malden Gauley Brit River and the alignment; if payorable in 1893, between Malden Gauley Brit River and the alignment; if payorable in 1893, between Malden Gauley Brit River and Swige 1894, between Malden Gauley Brit River and Swige

both of the northern branches, totals of the west Virginia mines are served by the 520 miles. Four short lines, Thurston and 18 by the to Zanesville, O., Glouster to Shawnee, O., and Included in the Ohio total is a recently opened mine at Misco, a few miles south of Zanesville, which, since at March, has built up production to a daily average of more than 100 carloads.

Boundard of the northern branches, totals four switchbacks, and the maximum and the maximum of pradient is 3.4% compensated for New Lexington Tunnel, where the Curvature to two sections, one 5.6 grade line rises 110 feet in a distance of a little less than three miles and the other 1.8 in length. The bird is between Clay Bank and wille, O., Glouster to Shawnee, O., and Charleston to Hitop, W. Va., add to other 1.8 in length. Tonal there is a proposition of 1.0% compensated another 108 miles of road bringing the cently opened mine at Misco, a few miles south of Zanesville, which, since 428 miles. With the Nicholas, Fayette (a start of the work of the carloads).

Between these two points there are about one and one-half miles in length. The third is between Clay Bank and the maximum of the vice Lay Bank and the m

A dam in the Ohio River, about ten miles below Point Pleasant, creates a single pool extending about 40 miles up the Ohio River and 30 miles up the Kanawha River. This indicates the Kanawha River. This indicates of the relatively flat gradient of these rivers in the vicinity of Point Pleasant, which is favorable to railroad construction and operation. However, the maximum high water mark at Point Pleasant is 39 feet above the pool level, and 70 feet above the bed of the river, and the track level was not located at sufficient elevation to prevent occasional flooding.

Progressing northward from Hobson to Thurston, the railroad is located in 50 feet above, the railroad from Hobson to Thurston, the railroad is located in 50 feet above the pool of the remaining parts, which are located at Actaleston, Progressing northward from Hobson to Thurston, the railroad is located in 50 feet above the pool of the province of t

Progressing northward from rionson 750 cars. There are no heavy repair shops to Thurston, the railroad is located in the valleys of small streams in the hill country of southern Ohio. Curvature is excessive and there are three hills to cross, in addition to six tun-

Rendville and the maximum grade is 2,700.

1.27% compensated for curvature, about one and one-half miles in length.

The third is between Clay Bank and The third is between Clay Bank and the compensated the compensation of the

ville and West Columbus. The Columbus line, or Western Sub-Division crosses two hills. The first one is between West Columbus and Arnold, tween West Columbus and Arnold, where the grade line rises 213 feet in a distance of 10 miles and the maximum grade is 0.68% compensated for curvature, about two and one-quarter equipped with signals controlled miles in length. The second is north directly from the dispatcher's office of Kenton, where the grade line rises located at Fostoria, which is 30 miles

may be handled. At Arnold, O., just north of Columbus, for example, the gross tonnage is 6,000 tons, as is the case at Albany Hill in the south.

The Ohio Central Division's main line, the Toledo & Ohio Central Rail-way, was formed by the consolidation of a number of small lines. The first portion opened to operation was the seven miles between New Lexington and Moxahala, O. In 1875, this portion was placed in operation to serve a blast furnace at Moxahala, which has

Ing since been abandoned.

The line was gradually extended from Moxahala to Toledo via Bucyrus, from Moxaniat to Totedo via Ducyrus, from Thurston to East Columbus, and from Moxahala to Corning, and at the end of 1881, these portions of the road were in operation. By the end of 1882 the line was in operation from Corning to Charleston, with the exception of the Ohio River crossing at Papirt Pleasur, which was placed in Point Pleasant, which was placed in operation in 1885.

Extending southward from Charles-on, the line between Charleston and of 12 miles, the line follows the Ohio 1890, between Malden Gauley Bridge River and the alignment is favorable in 1893, between Belva and Swiss in and the grades negligible. wer and the alignment is favorable in 1893, between Belva and Swiss in 1907, and between Gauley Bridge and A dam in the Ohio River, about ten Belva in 1920.

nels.

The Albany Hill

The first hill is located at Albany, Wa., are both roundhouses and car where the grade line rises 122 feet in repair forces. The largest of these is four and one-half miles and the max
at West Columbus where the roundimum grade is 0.95% compensated for house capacity is 20 pits and where curvature, one and one-half miles in some 300 persons are employed. Car length. The second hill is between department forces in West Columbus Rendville and Moxahala Tunnel where total 72 and average 2,500 car repairs

and Virginian locomotives in addition to New York Central.

## First Centralized Traffic Control

for curvature, about one and one-half miles in length. Tonnage trains over these grades require helper service.

The alignment of the two Sub-Divisions between Thurston and Toledo is a distance of 41 miles, of which three generally favorable. There is one tangent 24 miles in length between Marys. ville and West Columbus. The Columbus is a columbus to the columbus that t following its completion in July, 1927. it was in

47 feet in about one and one-quarter from the extreme north end of this 41 miles at the rate of 0.8% compensated for curvature. Tonnage trains over these grades also require helper service.

The Eastern Sub-Division also ings so that he is able to arrange crosses two hills. The first one is between Clemons and Johnstown, where the grade line rises 233 feet in a dismaximum grade is 0.86% compensated for curvature, about one mile in length, requiring helper service for tonnage trains. 47 feet in about one and one-quarter from the extreme north end of this 41

requiring helper service for tonnage capital of the State of Ohio and the trains.

The second one is at McCutchentrial of the New York Central, it is ville, where the grade line rises 78 served by four steam railroads, the feet in a distance of about three miles Baltimore and Ohio, the Norfolk and and the maximum grade is 0.72% com- Western, the Chesapeake and Ohio, pensared for curvature, about one mile in length. in length.

a centralized union station, owned
Such grades, of course, place re- jointly by the New York Central and
strictions upon the gross weight which
the Pennsylvania.

B. & A. Traffic Folk Enjoy Fall Outing

