<table>
<thead>
<tr>
<th>FORMATION NAME</th>
<th>SYMBOL</th>
<th>COLUMNAR SECTION</th>
<th>NAMES OF MEMBERS</th>
<th>CHARACTER AND DISTRIBUTION OF MEMBERS</th>
<th>GENERAL CHARACTER OF FORMATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dunkard formation</td>
<td>Cd</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
<td></td>
</tr>
<tr>
<td>Monongahela formation</td>
<td>Cm</td>
<td>Waynesburg sandstone</td>
<td>Not well developed.</td>
<td>The most important coal-bearing formation of southwestern Pennsylvania. The coals are distinctly laminated, but beds of sandstone locally occur in thickness and they become prominent members of the formation. The Pittsburg sandstone is the most notable bed of this formation.</td>
<td></td>
</tr>
<tr>
<td>Conemaugh formation</td>
<td>Ccm</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
<td></td>
</tr>
<tr>
<td>Alleghany formation</td>
<td>C1</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
<td></td>
</tr>
<tr>
<td>Potomac formation</td>
<td>Cpo</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
<td></td>
</tr>
<tr>
<td>Pottsville formation</td>
<td>Cpv</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
<td></td>
</tr>
<tr>
<td>Mauch Chunk formation</td>
<td>Cmc</td>
<td>Waynesburg sandstone</td>
<td>Present only in Latrobe syncline near Klondike.</td>
<td>Only the basal Waynesburg sandstone present in the quadrangle.</td>
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</table>

**SUBDIVISIONS**

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<td>Waynesburg sandstone</td>
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<td>Present only in Latrobe syncline near Klondike.</td>
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</tr>
</tbody>
</table>

*Zoological*
WELL SECTIONS

SECTIONS OF DEEP WELLS IN THE LATROBE QUADRANGLE AND VICINITY.
SCALE: 1 INCH=400 FEET.

No. 1.
H. N. MILLER.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

FORMATION

POTTSVILLE

SANDSTONE

PATTON SHALE

CHEMUNG

SUB-BLAIRSVILLE

SANDSTONE

POTTSVILLE

SANDSTONE

CHEMUNG

FORMATION

CONEMAUGH

ALLEGHENY

POTTSVILLE

FORMATION

No. 2.
COLUMBIA PLATE GLASS CO.

No. 3.
D. JELLISON.

No. 4.
S. LAWRENCE NO. 1.

No. 5.
W. A. UNCAFER.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 6.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 7.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 8.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 9.
WM. WADDLE.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 10.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 11.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 12.
W. A. BARTLEY.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 13.
AMERICAN SHEET STEEL CO.

No. 14.
W. J. WALKER.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

No. 15.

CONEMAUGH

ALLEGHENY

POCONO

FORMATION

SANDSTONE

SANDSTONE

indeterminate

FORMATION

SHALE MEMBER

FORMATION

NAME OF WELL

LOCATION

DIAGRAM SHOWING LOCATION OF DEEP WELLS IN THE LATROBE QUADRANGLE AND VICINITY.

Marus R. Campbell,
Geologist.
COAL SECTIONS

SECTIONS OF COAL BEDS IN THE LATROBE QUADRANGLE.

SCALE: 1 INCH = 5 FEET.

FIGURE 4.
SUMMIT CHESTNUT RIDGE.
8' 3" coal, KITTANNING COALS.

FIGURE 5.
SAWMILL RUN.
1' 6" coal.

FIGURE 6.
SUMMIT CHESTNUT RIDGE.
LOWER FREEPORT COAL.

FIGURE 7.
ELDERS RUN.
LOWER FREEPORT COAL.

FIGURE 8.
LOYALHANNA CREEK NEAR SALTSBURG.
LOWER FREEPORT COAL.

FIGURE 9.
NEAR DARLINGTON.
UPPER FREEPORT COAL.

FIGURE 10.
NEAR DARLINGTON.
UPPER FREEPORT COAL.

FIGURE 11.
SUMMIT CHESTNUT RIDGE.
LOWER FREEPORT COAL.

FIGURE 12.
TROCT RUN.
UPPER FREEPORT COAL.

FIGURE 13.
KINGSTON.
UPPER FREEPORT COAL.

FIGURE 14.
LOYALHANNA CREEK.
UPPER FREEPORT COAL.

FIGURE 15.
NEAR YOUNGSTOWN.
UPPER FREEPORT COAL.

FIGURE 16.
MILLER RUN.
UPPER FREEPORT COAL.

FIGURE 17.
NEAR DERRY.
UPPER FREEPORT COAL.

FIGURE 18.
DERRY.
UPPER FREEPORT COAL.

FIGURE 19.
NEAR DERRY.
UPPER FREEPORT COAL.

FIGURE 20.
SUMMIT CHESTNUT RIDGE.
UPPER FREEPORT COAL.

FIGURE 21.
CONEMAUGH RIVER.
UPPER FREEPORT COAL.

FIGURE 22.
LOYALHANNA CREEK.
UPPER FREEPORT COAL.

FIGURE 23.
LOYALHANNA CREEK.
UPPER FREEPORT COAL.

FIGURE 24.
LIGONIER VALLEY.
UPPER FREEPORT COAL.

FIGURE 25.
DRY RIDGE.
UPPER FREEPORT COAL.

FIGURE 26.
SOUTHWEST OF KLONDIKE.
PITTSBURG COAL.

FIGURE 27.
KLONDIKE.
PITTSBURG COAL.

FIGURE 28.
SOUTHWEST OF BEATTY.
PITTSBURG COAL.

FIGURE 29.
BEATTY.
PITTSBURG COAL.

FIGURE 30.
BRADENVILLE.
PITTSBURG COAL.

FIGURE 31.
WEST OF NEW DERRY.
PITTSBURG COAL.

FIGURE 32.
STONY RUN.
PITTSBURG COAL.

FIGURE 33.
BLAIRSVILLE.
PITTSBURG COAL.

FIGURE 34.
GEORGES STATION.
PITTSBURG COAL.

FIGURE 35.
WHITETHORN CREEK.
PITTSBURG COAL.

FIGURE 36.
WEST OF NEW ALEXANDRIA.
PITTSBURG COAL.

FIGURE 37.
NEW ALEXANDRIA.
PITTSBURG COAL.

FIGURE 38.
FAIRBANKS.
PITTSBURG COAL.

FIGURE 39.
WEST OF SALTSBURG.
PITTSBURG COAL.

FIGURE 40.
EAST OF KLONDIKE.
WAYNESBURG COAL.

MARIUS R. CAMPEEDE,
Geologist.
FIG. 41.—RELIEF MAP OF THE NORTHERN APPALACHIAN MOUNTAINS.

The Latrobe quadrangle is situated on the plateau lying west of the belt of valley ridges, in the southwestern part of Pennsylvania.

FIG. 42.—MAP SHOWING THE EXTENT OF THE NORTHERN PART OF THE APPALACHIAN COAL FIELD.

The position of the Latrobe quadrangle within the coal field is shown by the rectangle.

FIG. 43.—MAP SHOWING THE AREA OF THE PITTSBURG COAL IN PENNSYLVANIA.

The Latrobe quadrangle is situated on its eastern border.