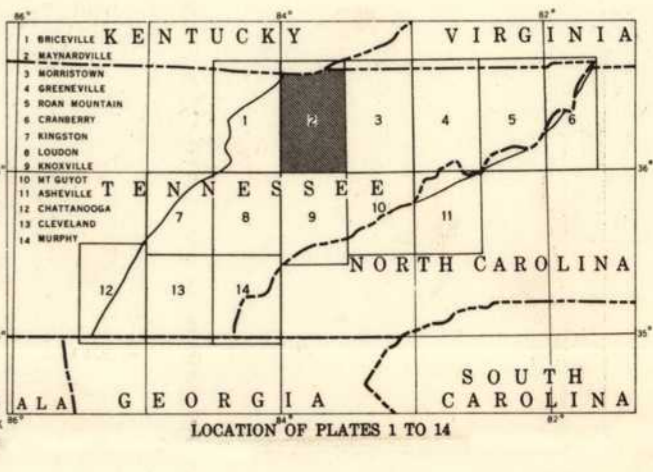


EXPLANATION

- |  |                                                 |  |                                                            |
|--|-------------------------------------------------|--|------------------------------------------------------------|
|  | Paleozoic intrusive rocks                       |  | Chepultepec dolomite                                       |
|  | Pennsylvanian rocks, undifferentiated           |  | Chepultepec, Longview, and Newala formations, undivided    |
|  | Pennington formation                            |  | Copper Ridge dolomite                                      |
|  | Newman limestone                                |  | Conasauga shale or group, undivided                        |
|  | Fort Payne chert                                |  | Maynardville limestone                                     |
|  | Grainger Formation                              |  | Nolichucky shale                                           |
|  | Chattanooga shale                               |  | Upper Cambrian part of Conasauga group                     |
|  | Basal Mississippian and Devonian shale          |  | Maryville limestone                                        |
|  | Hancock limestone                               |  | Roger's shale                                              |
|  | Rockwood formation                              |  | Rutledge limestone                                         |
|  | Silurian sandstone and shale, undivided         |  | Rutledge, Rogersville, and Maryville formations, undivided |
|  | Clinch sandstone                                |  | Pumpkin Valley shale                                       |
|  | Sequatchie formation                            |  | Middle Cambrian part of Conasauga group                    |
|  | Junata formation                                |  | Rome formation                                             |
|  | Reedsville shale                                |  | Contact                                                    |
|  | Chickamauga limestone, unit 4                   |  | Fault                                                      |
|  | Martinburg shale                                |  | Doubtful or probable fault                                 |
|  | Lower and middle parts of Chickamauga limestone |  |                                                            |
|  | Chickamauga limestone, unit 3                   |  |                                                            |
|  | Moccasin formation                              |  |                                                            |
|  | Chickamauga limestone, unit 2                   |  |                                                            |
|  | Ottoese shale                                   |  |                                                            |
|  | Chickamauga limestone, unit 1                   |  |                                                            |
|  | Hoiston formation                               |  |                                                            |
|  | Lenoir limestone                                |  |                                                            |
|  | Knox dolomite or group, undivided               |  |                                                            |
|  | Masont dolomite                                 |  |                                                            |
|  | Kingsport formation                             |  |                                                            |
|  | Newala formation                                |  |                                                            |
|  | Longview dolomite                               |  |                                                            |

For master explanation see plate 11



Base compiled and materials assembled by C. H. Heins, G. D. DeBuchanne and R. M. Richardson of the U. S. Geological Survey. Maps prepared for printing by N. B. Johnson, C. E. James, J. B. Carter, and others of the U. S. Geological Survey.

Geology compiled by John Rodgers, U. S. Geological Survey (For Description of sources see text)

GEOLOGIC MAP OF EAST TENNESSEE: MAYNARDVILLE

