

inches above ground. In the top of the post is a bronze disk marked "1928." The following true bearings were determined:

Center of gable, facing west, on house on hill north of river (¼ mile away).....	49 51.9 E. of N.
East gable of same house.....	51 11.9 E. of N.
Southwest corner of brown frame house across river, 8 feet above ground (0.2 mile away).....	53 04.9 E. of N.
Northwest corner of old stone school, 4 feet below roof (¼ mile away).....	53 28.1 E. of N.
Center of head of statue on courthouse cupola.....	58 50.9 E. of N.
Southwest corner of new school building, 1 foot above ground (132 feet away).....	60 28.6 E. of S.
Northwest corner of stone foundation of frame house south of island, 1 foot above ground (mark).....	13 07.5 W. of S.
East gable of stone house on hill south of island.....	21 00.6 W. of S.
Southeast corner of small stone garage on hill north of river.....	8 41.0 W. of N.

The station of 1923 was about 88 feet northwest of the 1928 station. The station of 1912 was in the southeast corner of the baseball field on the island in the French Broad River. The station of 1898 was on the south side of the hill above the courthouse.

*Madison County, Big Butt.*—Observations were made at the triangulation station, Big Butt, on or near the State boundary between North Carolina and Tennessee, at the northern extremity of Madison County, about 20 miles southeast from Greeneville, Tenn., and 15 miles south from Chuckey, on the Southern Railway. The road up the mountain is rough, and after leaving the valley at its foot, for 7 miles thence to the triangulation station there is no need for a guide, as there is but one road. The station is marked by a drill hole at the intersection of the north-and-south and east-and-west grooved lines on a large rock which is set flush with the ground. There are three reference marks, which are drill holes in rock in place with arrows pointing to the station. Distances and bearings from the station are as follows: 16.87 feet, S. 58° 52' E.; 11.04 feet, S. 5° 59' E.; and 11.79 feet, S. 85° 00' W.

*Martin County, Jamesville.*—The station was in the open lot adjoining the white Methodist Church in the southeastern suburbs of the town. It was distant 93 feet from the northeast corner of the Methodist Church and 107 feet from the southeast corner of this church. It was marked by a copper tack in a yellow-pine post.

*Martin County, Williamston.*—The station is in the southeast part of the grounds of the Williamston High School, in the northern part of town. It is 209.2 feet eastward from the southeast corner of the main wing of said building, 151.8 feet eastward from the southeast corner of its east wing, and 161.4 feet east of the northeast corner of the east wing. It is marked by a granite stone 4 feet long and dressed 8 inches square, projecting about 6 inches above ground, into which is set a bronze disk marked "1931." The following true bearings were determined:

Center of weather vane on Mrs. York's residence.....	18 52.8 W. of S.
Northwest edge of chimney of Mrs. York's residence, 204 Simons Avenue (mark).....	19 31.6 W. of S.
North edge of east chimney of Ladd Anderson's residence.....	22 24.7 W. of S.
Southwest edge of highest chimney of Williamston High School building.....	69 49.8 W. of S.
West gable of barn of Doctor Rhodes.....	42 50.1 E. of N.

The north end of a meridian line 199.2 feet long is marked by a granite stone 6 inches by 10 inches by 6 feet, projecting about 2 feet above ground, with a cross to mark the point on the line.

The station of 1899 was on the courthouse grounds.

*McDowell County, Marion.*—The station was established on Mr. Hudgin's land, 267 feet northwest of the northwest corner of the school and 117 feet southwest of a wooden house on Mr. Hudgin's property. The station is marked by a granite post 6 by 6 by 24 inches, which projects about 4 inches above ground. In the top of this post is a standard disk. The following true bearings were determined in 1931:

Southeast gable of barn ¼ mile away.....	67 35.3 W. of S.
Northeast gable of house with iron trimmings on roof.....	2 20.0 W. of S.
North edge of chimney on Hudgins residence.....	23 50.3 E. of N.
South edge of top brick course of chimney on church, just left of school.....	83 11.4 E. of S.
East edge of east chimney on residence ¼ mile away, top brick course.....	9 49.1 E. of S.

The station of 1918 was in the grounds of the high school, about 500 feet southeast of the present station. Auxiliary No. 1 is located on the northeast corner of the Greenlee School grounds, about 5½ miles west-southwest of the primary. No. 2 is about 4½ miles northeast by east of the primary station on the grounds of the Nebo School, 150 feet east of the school building, 45 feet from the tennis court, and 80 feet from the side of the road. No. 3 is about 4¼ miles south-southeast of the primary station on the grounds of the Glenwood School, 150 feet east of the school building and 110 feet north of the road along the south side of the grounds. No. 4 is about 4 miles northwest by north of the primary station on an open piece of ground across the road and about 500 feet east of the Tom Creek schoolhouse. None of the auxiliary stations was permanently marked. The station of 1898 was in the northeast corner of the courthouse square.

*Mecklenburg County, Charlotte.*—The station was established in the grounds of Biddle University. It is on the lawn northeast of the administration building, about 20 feet south of a shrub fence, and about 35 feet west of the road running south from the dormitory. A cement post 8 by 8 by 33 inches, with a brass marker in the top (1923) projecting about 6 inches above ground, marks the exact spot. The following true bearings were determined:

Northeast corner of Smith Hall.....	14 36.5 E. of S.
Lower northwest corner of library.....	2 07.2 W. of S.
Northwest corner of Science Hall.....	16 39.4 W. of S.
Northwest corner of brick dwelling 200 yards away.....	75 16.6 W. of S.
Apex of distant water tank.....	73 05.5 E. of S.

The south end of a meridian line about 450 feet long is marked by a similar post set east of the library and near the west side of the road leading to the dormitory. The station of 1899 was in the open lot in the rear of the graded school about 1 mile south of the present station.

*Mitchell County, Bakersville.*—The station is in the cemetery, on the top of the hill south of the courthouse. It is 45.1 feet northeast of the northeast corner of the Lambert gravestone, 48.4 feet southwest of the southwest corner of the Wm. C. Hickey gravestone, 18.2 feet north of the north corner of the Jeremiah Green gravestone, and 7.4 feet northward from the north corner of the Alfred Buchanan gravestone. It is marked by a granite stone 4 feet long and 8 inches square, projecting 6 inches above ground, in the top of which is set a bronze disk marked "1931." The following true bearings were determined:

East edge of chimney on residence of Burlison (mark).....	23 21.8 W. of S.
Northwest gable of residence of Doctor Butts.....	12 07.3 E. of S.
East corner of Methodist Church, just under eaves.....	11 55.6 E. of S.
West edge of chimney on Methodist Church.....	10 18.8 E. of S.
West edge of west chimney on residence of Baker.....	0 07.1 E. of S.

Observations were also made at two stations on the high-school grounds. No. 1 was 71 feet, 111.4 feet, and 137.0 feet, respectively, from the southwest, northwest, and southeast corners of the gymnasium. It was not marked. No. 2 was 172 feet west of the southwest corner of the gymnasium and about 50 feet east of the fence along the west side of the grounds. The station is marked by a granite post 8 inches square and 4 feet long projecting about 6 inches above ground, with a bronze disk in the top marked "1931." The following true bearings were determined:

North edge of highest chimney on residence of Doctor Butts (mark).....	34 12.2 W. of N.
Left tangent to west column of Baptist Church, just under crown.....	22 12.1 W. of N.
South gable of residence of M. L. Wilson.....	5 38.4 W. of N.
Northwest corner of new school building, just under eaves.....	54 26.6 E. of N.
North edge of northeast chimney on old school building.....	83 52.1 E. of N.

The station of 1911 was just north of the northwest corner of the new school building. The station of 1900 was in the grounds of the courthouse, at a point northwest of the courthouse.

*Mitchell County, Roan High Bluff.*—The triangulation station is on a very high bluff about  $\frac{3}{4}$  mile from the Cloudland Hotel. To find the station, leave the railroad at Roan Mountain depot, 26 miles east of Johnson City, and take the road up the mountain to Cloudland Hotel, 16 miles distant. The station is marked by a cross cut in a very large rock on the edge of the bluff and lettered "U. S. C. S." Magnetic observations were made at a point about 250 paces from the triangulation station in an open, rocky space in the heavy growth of rhododendron brush, about 15 paces north of a clump of balsam trees and about 5 paces south of the foot trail leading to the triangulation station from the hotel. The magnetic station is marked by a small wooden stub and two reference arrows 12 inches long and  $\frac{1}{2}$ -inch deep chiseled in the outcropping rock. One arrow is distant 8.97 feet N.  $30^{\circ} 03' E.$ , the other 10.04 feet N.  $71^{\circ} 45' E.$  from the magnetic station, measurement being from the crossbar on arrow. The following true bearings were determined:

Northwest corner Cloudland Hotel.....	40 37.2 E. of N.
Roan High Bluff triangulation station.....	81 39.6 W. of S.
North edge of Table Mountain.....	46 26.5 E. of S.

The observations of 1894 were made at the triangulation station.

*Montgomery County, Troy.*—The station was established on the property of the county home, about 2 miles north of Troy. It is 120 feet from the northeast corner of the county home building. The station is marked by a monument which projects about 18 inches above the ground and is lettered "N. C. G. S., U. S. C. S.," with a cross cut to mark the center. The following true bearings were determined:

Northeast corner of house $\frac{1}{4}$ mile away (mark).....	26 37.5 W. of S.
Northwest edge of new building of home, near eaves.....	57 27.2 W. of S.

A second monument, 6 by 8 by 36 inches, projecting about 3 inches above the ground, with a cross to mark the center, marks the south end of a meridian line 200 feet long. This monument is near the road to Troy, about halfway between two negro houses. Auxiliary No. 1 is about 2 miles south of the primary and about  $\frac{1}{4}$  mile south of the courthouse, in the southeast corner of the city cemetery. No. 2 is about 2 miles north of the primary on the direct road to Asheboro. No. 3 is about 500 feet south of the primary station and also on county property. No. 4 is on the courthouse grounds, about 150 feet north of the site of the 1921 station.

The station of 1921 was in the southeastern part of the courthouse grounds, about 30 feet from a small wooden dwelling house. Auxiliary A was in the northwest corner of the field across the alley east of the courthouse grounds. Auxiliary B was about 10 feet south of the station of 1921 Auxiliary C was about  $\frac{1}{4}$  mile east of the station of 1921. The site of the station of 1898 is now in the highway in front of the courthouse.

*Moore County, Aberdeen.*—The station is on the grounds of J. R. Page,  $\frac{1}{4}$  mile west of the center of the town. It is 328 feet south by west from Mr. Page's house on the north side of the driveway, 5.9 feet from its north edge, 131.2 feet west of a 3-room cabin next to a tennis court, about 164 feet east of a group of barns and sheds, and exactly opposite a clump of large trees about 98.4 feet back of the driveway. The station marker is reported to have been removed.

*Moore County, Carthage.*—The station is on the grounds of the public school, about  $\frac{1}{2}$  mile south of the courthouse. It is 115 feet from the north corner of the school building and 165 feet from the east corner. The station is marked with a limestone post 5 by 6 by 36 inches, projecting about 3 inches above the ground, and has a bronze disk station marker embedded in the top. The following true bearings were determined:

Church spire.....	18 45.3 W. of N.
Cupola of jail.....	12 17.7 W. of N.
Tyson & Jones water tank (mark).....	11 20.3 W. of N.
Southwest gable of large white brick house near tank.....	9 44.8 W. of N.
Apex of large tank.....	10 26.4 E. of N.

The station of 1899 was southwest of the courthouse building.  
*Nash County, Nashville.*—The station is in the town cemetery, about  $\frac{1}{2}$  mile east of the courthouse. It is 700 feet from the gate, 18 inches from the northeast corner of the concrete coping around a lot, and 30 feet from the southeast corner of the pavilion. The station is marked with a granite monument 6 by 6 by 48 inches, lettered "N. C. G. S., U. S. C. S.," with a cross in the center. The monument projects about 4 inches above the ground. The following true bearings were determined:

Town water tank (mark).....	77 27.0 W. of S.
Western apex of roof of brick residence.....	3 42.4 W. of N.

A second granite post similarly lettered marks the north end of a meridian line 350 feet long. This north stone is near the southwest corner of a tool shed and projects about 15 inches above the ground. The station of 1899 was near the northern boundary of the courthouse grounds.

*New Hanover County, Wilmington.*—The station is in the southern section of the city, about 1,000 feet southward of the A. C. L. Dummy Line railroad, and between Seventh and Eighth Streets, if they were extended southward. Along the brow of the hill on the western side of Spring Branch (sometimes called in the records Squash Branch) is a rampart 4 or 5 feet high, serpentine in form with its general direction from southwest to northeast. The magnetic station is 148 feet northeast of the northeast end of the rampart, and is N.  $11^{\circ} W.$  465 feet from the center line of Community Drive where it crosses the center line of Spring Branch. The station is marked by a limestone post 6 by 6 by 30 inches, projecting about 3 inches above ground, with a bronze disk set in the top. The following true bearings were determined:

First Baptist Church spire, with small ball on top, larger one below (mark).....	17 03.3 W. of N.
Base of flagstaff on Clark-Lynch Lumber Co. building.....	13 24.2 E. of N.
Church spire on Eighth Street, near Meares Street.....	0 21.4 W. of N.
Immanuel Presbyterian Church spire.....	35 32.0 W. of N.

A granite post 8 by 8 by 39 inches was set 248.1 feet north of the station to mark the other end of a meridian line. Auxiliary A was in the broad alley or street, several hundred feet south of the southeast corner of the grounds of the Walker Memorial Hospital. The station of 1898 was in the grounds of the Walker Memorial Hospital, on a site now occupied by the Women's Memorial Hospital.

*Northampton County, Jackson.*—The station was established in the northwest corner of the square occupied by the county courthouse. It is 25 feet from the street on the north. The station is marked by a granite monument. The top is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." A similar monument marks the south end of a meridian line 275 feet long. It is 60 feet from the smaller of the courthouse buildings.

*Onslow County, Jacksonville.*—The station is in front of the high school, in the northeast part of town. It is 69 feet northwest of the west corner of the building, 227.6 feet southwest of its north corner, and 99.5 feet northwest of the center of the fire hydrant. It is marked by a granite stone 4 feet long and dressed 8 inches square, projecting about 6 inches above ground, in the top of which is set a bronze disk marked "1931." The following true bearings were determined:

West edge of chimney of Freeman's residence.....	15 43.7 W. of S.
South edge of chimney on Texaco filling station (mark).....	75 50.9 W. of N.
North meridian stone.....	0 01.2 E. of N.
Northwest corner of school building, near top.....	51 27.1 E. of N.
West edge of chimney on Mrs. Murrill's residence.....	38 34.1 E. of N.
Southeast edge of chimney on school building.....	71 51.4 E. of N.

A stake was set 370.2 feet to the north of the magnetic station to mark the true meridian. This was to be replaced by a suitable stone by R. E. Koonce, a local engineer.

The station of 1924 was southeast of the old school building; the station of 1898 was in the southeast corner of the courthouse square.

*Orange County, Chapel Hill.*—The station is on the campus of the University of North Carolina, in the arboretum. It is 240 feet northeast of the southeast

corner of Davie Hall, 50 feet south of the path through the arboretum which passes immediately to the rear of Davie Hall, and 205 feet east of the old south meridian stone near the northeast corner of Davie Hall. It is marked by a granite post 8 by 8 by 36 inches, set flush with the ground and lettered "U. S.," with a cross marking the center. The following true bearings were determined:

Northeast corner of Davie Hall, 8 feet from ground (mark).....	50 27.7 W. of S.
West edge of chimney on Davie Hall, near roof.....	52 07.8 W. of S.
Old south meridian stone.....	56 41.1 W. of S.
North corner of addition to Davie Hall, just under eaves.....	70 21.1 W. of S.
Center of cross on spire of Episcopal Church.....	33 54.9 W. of N.

Auxiliary No. 1 was about 1,000 feet a little north of west of the primary station and about 75 feet west of Alumni Hall. No. 2 was on the opposite side of the central campus inclosure. The auxiliary stations were not permanently marked.

*Orange County, Hillsboro.*—The station is about 1 mile north of the courthouse, on the eastern edge of the public road which runs north and south, just east of the town. It is 120 feet from the northeast corner of Dave Patterson's barn. The station is marked with a granite post which projects about 6 inches above the ground. The top is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." A similar stone marks the north end of a meridian line 950 feet long.

*Pamlico County, Bayboro.*—The station is in the northeast corner of the courthouse square, 135 feet from the northeast corner of a building. The station is marked with a granite post 6 by 6 by 48 inches, lettered "N. C. G. S., U. S. C. S.," with a cross in the center. A similar monument marks the south end of a meridian line 320 feet long. This monument is 80 feet from the edge of the concrete highway to New Bern and 120 feet from the southeast corner of the larger building.

*Pasquotank County, Elizabeth City.*—The station is on the grounds of the county home, about ¼ mile from the center of town, and west of the building. It is marked with a granite post projecting about 6 inches above the ground. The top of the post is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearing was determined:

Elevated tank (mark).....	73 57.0 E. of S.
---------------------------	------------------

A similar post is set near the fence which marks the southern boundary of the county home to mark the south end of the meridian line.

*Pender County, Burgaw.*—The station is in the grounds of the courthouse, about 70 feet southeast of the east corner of the building. It is marked by a granite post which projects about 6 inches above the ground. The top is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearings were determined:

West corner of Ford agency.....	10 18.0 E. of N.
East edge of bank building.....	51 18.0 W. of S.
East corner, under eaves, of small cottage.....	31 54.9 E. of N.

A second monument similarly lettered is about 300 feet true north and marks the meridian line.

*Perquimans County, Hertford.*—The station is in the city cemetery. It is in the main driveway, 20 feet from a large tree, about 100 feet from a tree to the south, and 4 feet from the edge of the road to the east. The station is marked with a granite monument which projects about 6 inches above the ground. The top of the post is dressed 6 inches square and was once marked with a cross and the letters "N. C. G. S., U. S. C. S.," but the letters are now illegible. A similar stone, with lettering intact, marks the north end of a meridian line 275 feet long. This monument is near the gate to the cemetery and 3 feet from the edge of the road to the east.

*Person County, Roxboro.*—The station is in the city cemetery, about 1½ miles southwest from the town. It is just north of the central road through the cemetery, being about 350 feet west of the main gate and 53 feet southwest of the northwest corner of the Clayton monument. It is marked by a granite post 8 by 8 by 48 inches, projecting 8 inches above ground, and marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearings were determined:

South gable of residence.....	70 24.3 W. of N.
Town water tank.....	19 26.3 W. of N.
Northwest corner of J. A. Long monument.....	58 46.4 E. of N.
Apex of Fouchee monument.....	79 59.0 E. of N.

A second monument similarly lettered marks the south end of a meridian line 350 feet long. The station of 1898 was on the edge of the same cemetery, beside the road which runs north and south near the cemetery.

*Pitt County, Greenville.*—The station was established on the campus of the Eastern Carolina Teachers' College, about ½ mile southeast of the courthouse. It is 45 feet south of the edge of the road to Greenville, 60 feet west of the concrete sidewalk of the driveway, and 245 feet from the north corner of the dormitory. The station was marked by a granite post 6 by 6 by 48 inches, lettered "N. C. G. S., U. S. C. S., 1898," with a cross in the center. The monument projects about 5 inches above the ground. The following true bearings were determined:

Northeast corner of administration building, near roof.....	46 58.2 E. of S.
Ball on cupola of administration building.....	41 03.8 E. of S.
Southwest corner, near roof, of girls' dormitory.....	2 09.8 W. of S.

A similar monument marks the south end of a meridian line 320 feet long. This south stone is 20 feet from the dormitory. The station of 1898 was in the open space just north of the Methodist cemetery.

*Polk County, Columbus.*—The station is the north monument of the meridian line east of the courthouse. It is marked by a granite post projecting about 12 inches above the ground. The top of the post is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearings were determined:

North gable of MacMurray's residence (mark).....	5 27.1 W. of S.
Baptist Church spire.....	81 05.3 W. of S.
South gable of Newman's residence.....	61 08.7 W. of N.
East corner of school building.....	29 25.5 W. of N.
West corner of bank.....	5 02.8 W. of N.

A similar monument south of the courthouse, and in the courthouse grounds, marks the south end of the meridian line. It projects about 12 inches above the ground.

*Polk County, Block House.*—The station is 100 feet northeast of the road leading from Landrum, S. C., to Tryon, N. C., and about 700 feet northeast of the Spartanburg & Asheville Railroad. It is on the North Carolina and South Carolina boundary line and is marked by a large stone marked "N. C." on the north side and "S. C." on the south side. This stone also marks the boundary between the counties of Spartanburg and Greenville.

*Randolph County, Asheboro.*—The station was established on the property of the county home, about 2 miles southeast of Asheboro, on the road to Troy. It is about 150 feet from the Norfolk Southern Railroad track, and 100 feet from the northeast corner of the home building. The station is marked by a concrete post 8 by 8 by 36 inches, projecting about 8 inches above the ground, with a bronze disk station marker in the top. The following true bearing was determined:

Southeast edge of south home building.....	35 44.1 W. of S.
--	------------------

A second monument similarly marked was placed about 300 feet away to mark the south end of the meridian line. The station of 1899 was in the southwest corner of the courthouse square.

*Richmond County, Rockingham.*—The station is in the new cemetery, about 1¼ miles east by north from the center of the town, on the south side of the road to Hoffman. It is between several driveways at the entrance to the cemetery. Measurements were taken to five small poplar trees which stand on the edge of the driveways in the form of a semicircle on the east and south sides of the station. The distances from the station to the trees are 64, 62.6, 40.9, 35.6, and 59.4 feet, beginning with the tree to the northeast and taking them in a clockwise order. The station is marked by a bronze disk set in the top of an 8 by 8 inch terra

cotta flue lining, filled with cement, and projecting 2 inches above the ground. The following true bearings were determined:

Top of central monument in cemetery	37 34.3 E. of S.
Southwest gable of white 1-story frame house	10 01.6 E. of N.
Second marble shaft to right of central monument	24 16.8 E. of S.
East gable of prominent house, gable just visible over hill (mark)	78 47.2 W. of S.
East gable of Henry Wall's residence	46 36.8 W. of N.
Southwest gable of white 1-story frame house	10 00.7 E. of N.

Auxiliary No. 1 is near Blewett Falls Ferry, about 7 miles west of Rockingham on the road to Wadesboro,  $\frac{1}{4}$  mile west of the bottom of the long hill sloping down to the lowland along the Pee Dee River. No. 2 is on the east side of the road to Cheraw, about 7 miles south of Rockingham and just south of a ford, 65 feet east of the road. No. 3 is at a point  $7\frac{1}{2}$  miles east of Rockingham, 49 feet north of the road to Hoffman. No. 4 is about  $\frac{1}{4}$  mile beyond the 7-mile post on the highway to Pinehurst and Raleigh, about 65 feet east of the road. It is about 7 miles north of Rockingham. The station of 1899 was in the grounds of the graded school.

*Robeson County, Lumberton.*—The station is in the city cemetery, on the northern edge of the city. It is on the east edge of the main road through the cemetery, about 250 feet north of the entrance gate. It is 35.5 feet southwest of the southwest corner of the base of the Breece monument, 10.9 feet north of the north corner of the base of the Edmond monument, and 67.5 feet east of the southeast corner of the McLeod monument. It is marked by a granite stone 4 feet long and dressed 6 inches square, projecting about 3 inches above ground, into which is set a bronze disk. The following true bearings were determined:

North edge of French monument	85 15.6 W. of S.
North meridian stone	0 00.5 E. of N.
East edge of Floyd monument	56 36.7 E. of N.
South edge of southernmost upright tank of Standard Oil Co.	61 11.2 E. of N.
North edge of chimney on residence $\frac{1}{4}$ mile away, just above roof	63 28.3 E. of S.
North edge of north chimney on residence $\frac{1}{4}$ mile away, just above roof	52 18.0 E. of S.

The north end of a meridian line 250 feet long is marked by a similar stone, which has a cross cut in the top to mark the point which has the bearing given above.

The station of 1924 was in the southwest part of the property of the new county home. The station of 1911 was in the northwest corner of the grounds surrounding the graded school, about 1,000 feet northeast of the town's center. The station of 1899 was in the northeast corner of the courthouse square.

*Rockingham County, Wentworth.*—The station is on the property of Henry B. Scott, which is about  $\frac{1}{4}$  mile northeast of the courthouse. It is on a hill which commands a view of the town and just in front of his residence, 99 feet from the south corner of the house and 93 feet from the west corner. It is 45, 40, and 48 feet, respectively, from three trees between the station and the house. The station is marked with a granite post which projects 12 inches from the ground. The top of the monument is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearings were determined:

Spire on Presbyterian Church (mark)	33 08.8 W. of S.
Center of knob on cupola of courthouse	53 26.7 W. of S.
Center of knob on cupola of jail	59 57.6 W. of S.
North gable on residence of Mrs. J. D. MacMichael	6 06.4 W. of S.

The station of 1899 was in the southeast corner of the courthouse square.

*Rowan County, Salisbury.*—The station is on the old fairgrounds, about  $1\frac{1}{2}$  miles northwest of the center of town. It is in the southern part of the infield within the race track, 143 feet north of the center of the old track at that end. It is 341.5 feet east of the south corner of the concrete foundation of a building that has been torn down, 300 feet southeast of the east corner of that foundation, and 280 feet southeast of an electric light pole. It is marked by a marble post 6 by 4 by 26 inches, projecting 2 inches above the ground, in the top of which is set a bronze disk. The following true bearings were determined:

Upper southeast corner of tower of new school for girls	28 59.5 E. of N.
Pointed top of water tank in lumber yard	26 46.0 E. of S.
Top of belfry on public school	18 00.1 E. of S.
East edge of chimney of factory, 2 miles away	4 34.7 E. of S.
Top of water tank, 2 miles away (mark)	0 56.0 E. of S.

Auxiliary A and the stations of 1905 and 1898 were in Chestnut Hill Cemetery. *Rutherford County, Rutherfordton.*—The station is on the grounds surrounding the courthouse, near the center of town, 23.5 feet south of the north boundary, 46.5 feet east of the west boundary, and 186.5 feet a little north of west of the northwest corner of the new courthouse. The station is marked by a granite post 6 by 6 by 45 inches, projecting 12 inches above ground, center marked and lettered "N. C. G. S., U. S. C. S., 1899." The following true bearings were determined:

Ball at top of steeple of Presbyterian Church	9 16.0 E. of N.
Upper eastern corner of Rutherford Hospital	43 30.3 W. of S.
East gable of residence 300 yards away	65 55.0 W. of N.
East gable of residence 300 yards away	22 20.0 W. of S.
Southwest corner of jail	82 17.8 W. of S.

A similar stone 141 feet south marks the other end of the meridian line. The station of 1899 was in the open lot in the rear of the courthouse.

*Sampson County, Clinton.*—The station is in the open space in front of the city cemetery. It is 100 feet east of the southeast corner of the gravestone of Barefoot, and 152.7 feet east of the southeast corner of the gravestone of Cherry. It is marked by a granite post with top dressed 6 inches square, projecting about 6 inches above the ground, marked with a cross and the letters "N. C. G. S., U. S. C. S." The following true bearings were determined in 1931 from the meridian line:

Apex of gravestone of Warren Johnson	25 29.7 W. of S.
Apex of vault of Herring	71 39.1 W. of N.
South edge of south chimney on residence of Etta Lewis	60 27.2 E. of S.
South edge of chimney on residence of Bill Underwood	50 36.0 E. of S.

A similar monument marks the south end of a meridian line 150 feet long. *Scotland County, Lawrinburg.*—The station is on the grounds surrounding the graded schoolhouse, about  $\frac{1}{4}$  mile south of the town's center. It is 43 feet north of the south border of the grounds, 161 feet west of the east border of the grounds, and 169 feet northwest of the stake at the southeast corner of the grounds. The station is marked by a blue granite post 6 by 6 by 48 inches, lettered on the top "N. C. G. S., U. S. C. S.," with a cross to mark the exact spot. The post projects about 18 inches above the ground. The following true bearings were determined:

Apex of residence	66 32.1 W. of N.
North meridian stone	0 00.4 E. of N.
Southwest corner of school building, just under eaves	4 35.2 E. of N.
Southeast corner of school building, just under eaves	36 55.8 E. of N.
East edge of chimney on residence, near roof	69 05.0 E. of N.
Southwest corner of chimney on residence across street, near roof	38 16.2 E. of S.

The north end of the meridian line is marked by a blue granite stone 60 inches long and 6 inches square at the top, projecting about 8 inches above ground, and lettered in the same way as the station stone.

The station of 1899 was in the northern edge of the grounds of the Presbyterian Church.

*Stanly County, Albemarle.*—The station was established in the new cemetery about  $1\frac{1}{4}$  miles east of the center of town. The station is 60 feet northwest of the northwest corner of a small building in the center of the cemetery, 14 feet from the near corner of the Coggins monument, and about 500 feet from the entrance. It is marked by a granite post about 6 by 8 by 36 inches, lettered "N. C. G. S., U. S. C. S.," with a cross to mark the center. It projects about 6 inches above the ground. The following true bearings were determined:

Town water tank.....	83 15.4 W. of S.
Spire on small wooden church about 250 yards to the south-west.....	57 48.1 W. of S.
Northeast gable of house across the road from church.....	46 40.8 W. of S.
South gable on house on opposite hill, pyramid-shaped roof.....	58 05.5 W. of N.
Southeast corner of cottage 250 yards north.....	3 04.5 E. of N.

A second monument with a cross cut in the top was set 215 feet north of the magnetic station to mark the north end of the meridian line. The station of 1900 was near the south boundary of the grounds of the graded school in the northeast section of the city.

*Stokes County, Danbury.*—The station is in the courthouse square, 35 feet east of the courthouse. It is marked by a stone monument which projects about 6 inches above the ground. The top is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." A similar monument across the road on courthouse property marks the south end of a meridian line 120 feet long.

*Surry County, Dobson.*—The station is on the county home property about 1½ miles north of Dobson. It is about 75 feet from the northeast corner of the home building and near the road to Dobson. It is marked by a concrete post 8 by 8 by 36 inches, with a bronze disk station marker in the top. It projects about 4 inches above the ground. The following true bearings were determined:

Southwest edge of small cottage on top of hill (mark).....	0 14.1 E. of N.
Southwest edge of southwest chimney on frame house to south.....	31 21.9 W. of S.

There was once a similar marker at the north end of a meridian line 400 feet long, but it seems to have been removed.

*Surry County, Mount Airy.*—The magnetic station was established in a lot belonging to Z. T. Smith. It is marked by a granite post projecting 6 inches above the ground. The top of the post is dressed 6 inches square and marked with "N. C. G. S., U. S. C. S.," and a cross. A similar post was set for the south end of the meridian line near the boundary fence.

*Swain County, Bryson City.*—The station is the south monument of the meridian line in the city cemetery, west of the shelter on top of the hill, about 3 feet from the southwest corner of the Willard W. Wheeler tombstone. It is a granite post lettered "U. S. C. S., N. C. G. S., 1898," projecting about 10 inches above ground. The following true bearings were determined:

Upper northwest corner of residence 200 yards away.....	44 32.2 W. of S.
Spire on gabled window of A. M. Frye residence 500 yards away.....	75 44.8 E. of S.

A similar monument marks the north end of the meridian line. It is in the north line of the Shank-Stearns cemetery lot and projects about 10 inches above the ground.

*Transylvania County, Brevard.*—The station was established on the grounds of the Brevard Institute, in the northern section of the town, about ½ mile from the courthouse. It is inside the sharp turn in the road leading to the dormitory from the south side and about midway between the nearly parallel lines of shrubbery on the inside of the road. It is marked by a cement post which projects about 8 inches above the ground, with a bronze disk dated "1923" embedded in the top. The following true bearings were determined:

East corner of house ¼ mile away (mark).....	5 52.8 W. of S.
North gable of house ¼ mile away.....	29 47.2 W. of S.
Apex of silo on college grounds.....	61 57.2 W. of S.
Northwest corner of brick building ¼ mile away.....	68 44.9 W. of S.
East gable of east wing of college building.....	82 58.4 W. of S.

The south end of a meridian line about 1,500 feet long was marked by a similar post set about 25 feet back from a small stream, but the bronze disk is now gone, leaving a much-battered plug in the center. The station of 1898 was in the southeast corner of the courthouse square.

*Tyrrell County, Columbia.*—The station was established on the grounds of the new school, about ½ mile east of the courthouse. It is 130 feet from the southeast corner of the school building, 35 feet from a fence on the east, and 25 feet from Main Street. The station is marked by a granite post 6 by 6 by 48 inches, lettered "N. C. G. S., U. S. C. S., 1899," with a cross cut to mark the center. The monument projects about 5 inches above the surface of the ground. The following true bearings were determined:

South edge of south chimney of Davis residence.....	82 19.7 W. of S.
Spire of Disciples Church (mark).....	83 03.7 W. of N.
Northeast corner of north wing of school building.....	21 34.6 W. of N.
North edge of west chimney of Brooks residence.....	80 16.0 E. of N.
South edge of west chimney of Davenport residence.....	78 50.1 E. of S.

A similar monument marks the north end of a meridian line 575 feet long. This monument is 50 feet from the fence to the east and 50 feet from the fence to the north. The station of 1899 was in the academy grounds east of town.

*Union County, Monroe.*—The station was established on the property adjacent to the residence of R. W. Elliot, county surveyor, about 5.5 miles southeast of Monroe. The station is 132.8 feet from the northeast corner of Mr. Elliot's house, 115 feet from the northeast corner of his store, and about 21 feet from the road. It is marked with a granite post 6 by 6 by 45 inches projecting 18 inches above the surface. The following true bearings were determined:

Southwest corner of Yarbrough residence (mark).....	83 13.4 E. of N.
South gable of small house ¼ mile away.....	8 20.1 E. of N.

A similar stone marks the south end of a meridian line about 200 feet in length. The station of 1899 was in the northeast corner of the courthouse square.

*Vance County, Henderson.*—The station was established on the county fair-ground about 1¼ miles a little south of east of the courthouse. The station is in the southern part of the infield, 32 feet from the wooden fence, and 150 feet from the east corner of the grand stand. It is marked by a granite post 6 by 6 by 48 inches, lettered "N. C. G. S., U. S. C. S.," with a cross to mark the center. The monument projects about 12 inches above the ground. The following true bearings were determined:

Water tank at fertilizer mill (mark).....	1 07.0 E. of N.
Apex of roof of fertilizer mill.....	3 05.2 E. of N.
Southwest corner of graded school in North Henderson.....	15 31.1 W. of N.

A similar monument marks the north end of a meridian line 500 feet long. It is in the race-track inclosure. The station of 1899 was in the north corner of the courthouse square.

*Wake County, Raleigh.*—The station was established in 1899 on the grounds of the North Carolina State College. It is within a foot of the curb of a roadway running east and west, and is marked by a granite post 4½ feet long and dressed 6 inches square at the top, projecting about 10 inches above the ground, and marked with a cross and the letters "N. C. G. S., U. S. C. S., 1898." The following true bearings were determined:

Right tangent to west column of library, at base.....	61 33.7 W. of S.
Southeast corner of Holladay Hall, about 4 feet above ground.....	43 21.4 W. of N.
North meridian stone, 1931.....	0 00.3 W. of N.
Left tangent to World War Memorial monument, at base.....	0 17.1 E. of N.
Right tangent to mouth of cannon.....	10 43.2 E. of N.

The north end of a meridian line, 400 feet long, is marked by a similar stone 91 feet from the southwest corner of a large monument. This stone was reset in 1931. The station of 1906 was on the fairgrounds, about ½ mile northwest of the present station.

*Wake County, Wake Forest.*—Observations were made at a point in the grounds of a country schoolhouse about 2 miles south of Wake Forest and about 1 mile south of Forestville, reached by the main highway to Raleigh, and on the east side of the highway. The point is about 170 feet from the east edge of the highway, about 65 feet from the (unmarked) northeast boundary of the school property, 96.5 feet east of the east corner of the school building, 175 feet southeast of the northernmost of a set of guy poles of the telephone line, and is in line with a north-and-south stretch of the highway just before reaching the school. The station is marked with a 2-foot length of terra-cotta flue pipe set with its bell end even with the ground, the upper end filled with Portland cement and having a brass magnetic station marker in the top. The following true bearings were determined:

South upper gable of barn about 800 feet away (mark).....	23 17.8 W. of N.
Southwest edge of stone chimney about 1,000 feet away.....	35 24.8 W. of N.
East gable of house about 800 feet away.....	51 45.1 W. of S.

*Warren County, Warrenton.*—The station is in the cemetery west of the town, 60 feet from the east gate and 50 feet from the McGraw monument. It is marked by a solid granite post which projects about 6 inches above the ground. The top is dressed 6 inches square and lettered "N. C. G. S., U. S. C. S.," with a cross cut in the center. A similar post marks the north end of a meridian line 235 feet long. It is 18 inches from the boundary fence of the cemetery on the east.

*Washington County, Plymouth.*—The station is in the southeast part of the grounds of the Plymouth High School, in the southern part of town, on Washington Street. It is 130.5 feet east of the southeasternmost corner of the high-school building, 193.2 feet southeast of the northeast corner, and 134.4 feet southeast of the southeast corner of the chimney. It is marked by a granite stone 4 feet long dressed 8 inches square, projecting about 6 inches above ground, into which is set a bronze disk marked "1931." The following true bearings were determined:

Northeast edge of high-school building	60	22.7	W. of N.
East edge of town water tank (mark)	20	30.6	W. of N.
Southeast edge of south tower of colored Baptist church	0	27.6	W. of N.
East edge of smokestack of Chicago Mill & Lumber Co.	21	34.7	E. of N.
West edge of bell tower of colored church	37	27.4	E. of N.

The north end of a meridian line 255 feet long is marked by a similar stone, which is lettered "N. C. G. S., U. S. C. S." with a cross to mark the point on the line.

The station of 1898 was  $\frac{3}{4}$  mile southwest of the courthouse, near the Norfolk Southern Railroad and the State Highway.

*Watauga County, Boone.*—The station is the south stone of the meridian line in the grounds of the Appalachian Training School. It is near a small stream, 37 feet east of the northeast corner of a concrete bridge. It is marked by a granite post projecting about 8 inches above the ground and lettered "N. C. G. S., U. S. C. S." The following true bearings were determined:

Northeast corner of house 150 yards away	51	29.7	W. of N.
East gable of residence $\frac{1}{4}$ mile away	7	22.1	W. of N.
Lower west corner of Boone monument	1	51.9	W. of N.
West corner of church $\frac{1}{4}$ mile away	25	58.0	E. of N.
South corner of new college building	71	52.0	E. of N.

A similar stone marks the north end of a meridian line about 250 feet long. It is 25.9 feet southeast of the south corner of the Boone monument, and projects about 8 inches above the ground. The station of 1900 was in the courthouse grounds, east of the courthouse.

*Wayne County, Goldsboro.*—The station is in the southern part of Herman Park, which is about 1 mile east by north from the center of the town. The station is about 600 feet from the main gate, near the intersection of the path to the fountain and the north and south path. It is 155.2 feet from the southeast corner of the shelter house, 65 feet to the edge of the north and south path, and 50.3 feet to the edge of the path leading to the fountain. The station is marked by a limestone post 6 by 6 by 30 inches, projecting about 4 inches above the ground and lettered "U. S. C. & G. S., 1908." The following true bearings were determined:

Northeast corner of shelter house	53	50.7	W. of N.
Vertical joint of west gable framing of house of Herbert Lauterbach (mark)	69	52.8	E. of S.
Southeast corner at base of gatepost at park entrance, south of two larger ones	78	30.2	W. of N.
Northwest edge of north chimney on large house 400 feet away	83	15.3	E. of N.

The station of 1899 was in the southeast corner of the courthouse grounds.

*Wilkes County, Poore.*—The station is at Poore triangulation station, which is on the summit of Pores Knob, Brushy Mountain, about 7 miles south of Wilkesboro, 11 miles by road from North Wilkesboro, on the Southern Railway. The station is marked by a stone post surrounded by four other stone posts as reference marks.

*Wilkes County, Wilkesboro.*—The station was established in the south corner of the school grounds, across the road from the school building. It is 47.1 feet from the north end post of a fence across the road to the south and 24.5 feet from

a telegraph pole to the west. It is marked by a granite post lettered "N. C. G. S., U. S. C. S.," projecting about 6 inches above the ground. The following true bearings were determined:

West gable of residence $\frac{1}{4}$ mile away	75	28.8	E. of S.
Cupola of house 300 yards away	76	02.2	W. of N.
Spire on Baptist Church	57	13.0	W. of N.
Northeast corner of Methodist Church	23	59.2	W. of N.
Southwest corner of post office	30	22.1	E. of N.

The north end of the meridian line, about 275 feet long, is marked by a brass magnetic station marker (1923) embedded in the wall of the schoolhouse, about 4 feet above the ground. Auxiliary A was in North Wilkesboro, north of the bridge over the Yadkin River. The station of 1899 was in the northwest corner of the courthouse grounds.

*Wilson County, Wilson.*—The station is on the grounds of the graded school in the eastern section of the city. It is 76 feet from the east corner of the school building, and is near the hedge. It is marked by a granite stone, whose top is dressed 6 inches square and is marked with a cross and the inscription "N. C. G. S., U. S. C. S., 1898." The south end of a meridian line 308.5 feet long is marked by a similar stone, which is 2 $\frac{1}{2}$  feet from the outside edge of the sidewalk on the southeast side of the school grounds.

*Yadkin County, Yadkinville.*—The station is in the southeast corner of the courthouse square, 90 feet from the southeast corner of the courthouse. It is marked by a granite monument which projects about 6 inches above the ground. The top is dressed 6 inches square and marked with a cross and the letters "N. C. G. S., U. S. C. S." A similar monument marks the north end of a meridian line 200 feet long. This monument is in the northeast corner of the square, 90 feet northeast of the northeast corner of the courthouse.

*Yancey County, Burnsville.*—The station is on the ball grounds of the Baptist College, across the road to the south of the main college building. The station is in the southern part of the ball grounds and is 36.7 feet from the east fence, 126.5 feet from the west fence, and 32.0 feet from the baseball backstop, toward the south. The station is marked by a bronze disk placed in a mass of concrete 20 inches deep and 20 inches in diameter. The monument is flush with the ground. The following true bearings were determined:

Northeast gable of barn with gambrel roof and lattice window in gable	21	56.1	E. of S.
Northeast gable of house having five windows abreast in gable	13	29.1	E. of S.
Northeast edge of wooden dormitory across the road from college toward the south	29	56.2	W. of N.
East gable of college building (mark)	29	26.6	W. of N.
Southwest edge, under eaves of house with flat roof	20	25.9	E. of N.

The station of 1900 was in the southwest corner of the courthouse square.

A catalogue of the publications issued by all bureaus of the Department of Commerce may be had upon application to the Chief Clerk of Publications, Department of Commerce, Washington, D. C. It also contains a list of libraries located in various cities throughout the United States, designated by Congress as public depositories where all publications printed by the Government for public distribution may be procured.