

34°45'  
111 45

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<u>Station</u>	<u>Project</u>
Casner	--
Cottonwood (Inactive file)	--
Cottonwood RM #1	Prescott
East Pocket Knob	--
House	--

SUPPLEMENTAL

1-93 A

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FILE COPY  
**DESCRIPTION**  
HORIZONTAL CONTROL STATION

34 111 44  
DIAGRAM Prescott  
USGS QUAD NO. 303

3rd Order

Triangulation  Electronic - Distance Traverse  Intersected Object   
 Station CASNER USGS County Coconino State Arizona  
 Established by USGS Year 1931 Project C 9803

Check one:  
 New Station: Write full description below 1959 PH 664  
 Recovery of Old Station: Recovered by USGS 1962 PH 898

Object	Bearing	Distance		Azimuth
		Feet	Meters	
MAT USGS RM		8.85		50°38'30.1" 142 17 40

Located about 24 mi by rd. and trail, N. of Cottonwood, 13 mi by rd. and trail N. of Coffee Creek Ranger Station of the U.S. Forest Service, 3 mi NW. of Black Tank and Windmill, on mesa-like farthest W. and higher of two craggy peaks.

To reach from the intersection of U.S. Highway 66 and N. Beaver Street in Flagstaff, drive W. on U.S. Highway 66 for 2.6 mi to rd. leading S. at sign "TURKEY BUTTE LOOKOUT 24"; turn left off hwy. and drive SW. on rd. to Turkey Butte (Forest Service Rd. 231) for 22.7 mi to sign "TURKEY BUTTE LOOKOUT 1/2"; continue on main rd. 0.5 mi to reverse "Y"; continue straight ahead for 1.6 mi to rd. fk.; turn right per sign "1-1/2 Buck Ridge Cabin - 2-1/2 Mooney Trail; follow power line rd. 7.4 mi to saddle and end of truck travel; pack up N. top 2 minutes to top and station.

Station mark: Standard tablet stamped "Y 1930", cemented in malpais rock about 3 ft lower than highest point.

Reference mark: Standard reference mark tablet cemented in highest rock.

USGS Adjusted 1962 Coordinates

ARIZONA CENTRAL ZONE  
 X= 479242.1 ELEV 6836.0 FT  
 Y= 1436600.7  
 MAPPING ANGLE=-0 2 23 QUAD 34 111 44  
 CASNER USGS LAT 34 56 55.466 LONG 111 59 9.373

MAR 13 1974

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34 111 44

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
Geological Survey  
Form No. 9-3223 Rev. 1968

**DESCRIPTION**  
**HORIZONTAL CONTROL STATION**

DIAGRAM Prescott  
USGS QUAD NO. 303

3rd Order

Triangulation  Electronic - Distance Traverse  Intersected Object   
Station COTTONWOOD RM #1 USGS Country Yavapai State Arizona  
Established by USGS Year 1943 Project H 70

Check one:

New Station: Write full description below USGS Year 1973 Project PH 1628  
 Recovery of Old Station: Recovered by \_\_\_\_\_ Year \_\_\_\_\_ Project \_\_\_\_\_

Object	Bearing	Distance		Azimuth
		Feet	Meters	
MUNDS USGS RM 2		65.42		246°32'43.0" 34 19 07

Station found as described by A.K. Andrews in USGS Book H 70-71.

New To reach: To reach from the post office in Cottonwood, Arizona, go N. on U.S. Highway 89A towards Flagstaff for 3.9 mi to dirt rd. left at sign "ENTERING COCONINO NATIONAL FOREST", continue on U.S. 89A for 1.5 mi to a dirt Y-rd. left "USFS RD. 761", turn left onto dirt rd. off of U.S. 89A and travel 0.7 mi to a Y-fk., keep left for 0.3 mi to a Y-fk., keep left for 0.8 mi to earth stock tank, turn left, cross dam and continue for 0.4 mi until near top of ridge at drain crossing and dim track rd. left on south side of drain; turn left and follow along drain for 0.1 mi at this point cross drain and continue on track rd. for 0.4 mi, leave track rd. at this point and go left cross-country along low ridge for 0.8 mi to end of truck travel. Station in a small flat top red hill with a power pole in the center on top. Pack time about 5-10 minutes.

Station mark: As described by original notes has been destroyed. Reference mark No. 1 is being occupied as a new station.

Station mark: A standard USGS reference mark tablet stamped "COTTONWOOD 1943 NO 1" set in flat top of hill.

Reference mark No. 2 found in good condition and stamped "COTTONWOOD RM #2 1943."

Note: Reference mark No. 2 is 65.42 ft (horiz.) from Reference mark No. 1.

USGS Adjusted 1943 Coordinates

ARIZONA CENTRAL ZONE ELEV 3597.2 FT  
X= 477179.6  
Y= 1365728.2  
MAPPING ANGLE=-0 2 36 QUAD 34 111 44

COTTONWOOD RM 1 USGS LAT 34 45 14.366 LONG 111 59 33.506

MAR 13 1974

Arizona (303)

Coconino County

EAST POCKET KNOB

1927 N.A.D.

J.N. Tennant, 1962

Book: PH 898

Located about 17 mi. (airline) SW. of Flagstaff; 5.5 mi. NW. of Indian Gardens; 1.1 mi. W. of Oak Creek Canyon; on a long E.-W. ridge known locally as East Pocket Knob.

To reach from the Sante Fe RR. Station in Flagstaff, go W. on U.S. Highway 66 for 3.5 mi. to a T-rd. S.; turn left off of the highway and follow main-traveled rd. in a southerly direction for 20.1 mi. to Y-rd. at a sign "Fenrow 1, Turkey Butte 3, East Pocket 9 mi."; take left fork and follow main-traveled rd. 1.9 mi. to a Y-rd. fork; take right fork and follow main-traveled rd. 1.6 mi. to a T-rd.; continue straight ahead on main-traveled rd. past crater tank for 1.3 mi. to a Y-rd. fork; take right fork and follow main-traveled rd. 0.8 mi. to a Y-rd. fork; take left fork and follow rd. 0.2 mi. to a Y-rd. fork; take right fork and follow main-traveled rd. 0.6 mi. to a Y-rd. fork; take right fork as per sign "East Pocket Knob 1 mi."; take right fork and follow rd. up the ridge to L.O.T. and station mark.

Station mark: Standard tablet stamped "EAST POCKET KNOB 1962"; centered under L.O.T. and 0.6 ft. below the average ground level.

Reference mark No. 1: Standard tablet stamped "NO 1 1962" cemented in rock outcrop 30.84 ft. from station mark in azimuth of 167°26'23".

Reference mark No. 2: Standard tablet stamped "NO 2 1962" cemented in rock outcrop 21.09 ft. from station mark in azimuth 268°46'12".

Signal: Centerline of L.O.T. centered over station mark.

Signal data: Peak 44.2 ft.  
Eaves 39.2  
Floor L.O.T. 30.5

ARIZONA ZONE CENTRAL

V.A. Elevation: 7196 ft.

X= 544,614.5  
Y=1,446,406.6

Latitude: 34°58'32.210"

Longitude: 111°46'03.853"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Casner	81°33'10.60"	261°25'40.47"	66,112.34
Turkey Butte LOT	116 51 31.36	296 46 51.19	45,533.73
Metz Mtn.	161 38 16.21	341 36 16.88	54,771.96
Woody Mtn. LOT	184 42 21.86	4 42 56.43	60,863.59

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3/10/65 slh

**FILE COPY**  
**DESCRIPTION**  
**HORIZONTAL CONTROL STATION**

34 112 44  
DIAGRAM Prescott  
USGS QUAD NO. 303

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station HOUSE USGS County Yavapai State Arizona  
Established by USGS Year 1930 Project C 9804

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by \_\_\_\_\_ Year \_\_\_\_\_ Project \_\_\_\_\_

Object	Bearing	Distance		Azimuth
		Feet	Meters	
CASNER USGS RM		12.75		148°24'36.7" 185 51 24

Located about 12 mi by rd. SW. of Sedona, and 8 mi NE. of Cornville; N. of the rd. leading from Sedona to Cornville via Big Park and Dry Beaver Creek.

To reach from Sedona-Cornville Rd. turn off main rd. on east side of a N.-S. fence line, which is about 2 mi W. of Dry Beaver Creek; following dim wood hauler's rd. in a northerly direction to top of mesa in juniper flat; leave rd. and turn westerly across top of mesa, passing over S. one of two visible high points (gate at fence corner on SE. slope); from this point the station peak can be seen as rocky point across divide on west edge of mesa.

Station mark: Standard tablet stamped "Y 1930" cemented in malpais rock, 4 ft lower than highest point.

Reference mark: Standard reference mark tablet cemented in top of highest rock.

USGS Adjusted Coordinates

ARIZONA CENTRAL ZONE

ELEV

X= 519087.6

Y= 1371898.8

MAPPING ANGLE=+0 2 10

QUAD 34 111 44

HOUSE USGS

LAT 34 46 15.433

LONG 111 51 11.186

MAR 13 1974

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Arizona (303)

Coconino County

1-93 A

1927 N.A.D. (Unadj.)

J.N. Tennant, 1962

Book: PH 898

Located about 5 mi. WNW. (airline) of East Pocket Knob, about 4 mi. SE. of Turkey Butte, about 1.5 mi. SW. of Barney Pasture. The station is on the highest top of the timbered ridge separating Barney Pasture and Rattlesnake Basin.

Station: Lone tree with  $\Delta$  blaze on the north side.  
Mark

Signal: White flag over fluorescent cross-target on 2 x 2 pole in top of pine tree.

Signal Data:	TWF	95.6 ft.
	BWF	92.5
	TFXT	91.7
	BFXT	88.0

Image point No. 1: Tree, 143 ft. from station in a grid azimuth  $78^{\circ}40'49''$ .

Image point No. 2: Tree, 96 ft. from station in a grid azimuth  $106^{\circ}24'40''$ .

Photo No. 1-93 A

ARIZONA ZONE CENTRAL  
X= 519,404.  
Y=1,451,845.

V.A. Elevation: 6901 ft.

Grid Values

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Metz Mtn.	189°36'57"	9°36'57"	47,175.
East Pocket Knob	282 10 29	102 10 29	25,788.

11/14/62 sb ✓