TYPE: Self-supporting, extendable, crank-up tower.

APPLICATIONS: General communications, amateur radio, two- way radio, light microwave antennas, citizen band radio, television, etc. Environmental monitoring instrument installation. Energy conversion systems and solar power panels.

TOWER HEIGHT: Extended 51 feet (15.5m).
Retracted 21 feet (6.4m).

TOWER SUPPORT: Free standing, no guys.
WIND LOADING: Approximately 9 square feet (.84m²) of antenna area at 50 mph (80kph) is indicated by engineering analysis.

NOTE: Wind loading is dependant on the wind loading characteristics of whatever is installed on the tower (antennas, lights, instruments, etc.), concrete base size, type of concrete, soil conditions at the base of the tower which can vary due to weather conditions (wet, dry, frozen) and type of soil (sandy, rocky, loam, etc.). Also, maximum expected sustained winds and wind gusts, and icing probabilities. The foregoing factors should be considered when installing equipment on the tower.

DEAD LOAD: 150 lbs. (68kg) maximum.

MATERIAL: Steel, galvanized, hot-dipped after fabrication in molten zinc so that tube legs are zinc coated inside the tubes as well as outside and completely covering all the steel tower.

WEIGHT: 417 lbs. in steel.
SECTIONS: 20 feet (6.1m).

DESCRIPTION: Tower is complete with the following items: Manual crank-up winch and hoisting cable, (electric winch available). Rigid concrete base mount. The base mount and the tower base are designed so that two bolts may be inserted into the base mount and the tower base while the tower is laying horizontally on the ground. Then the base mount and the tower base are hinged. This allows the tower to be tilted upward to the vertical position where the final bolt can be inserted, thus locking the tower in the vertical position. The purpose of this design is to make it easier and safer to erect the tower.

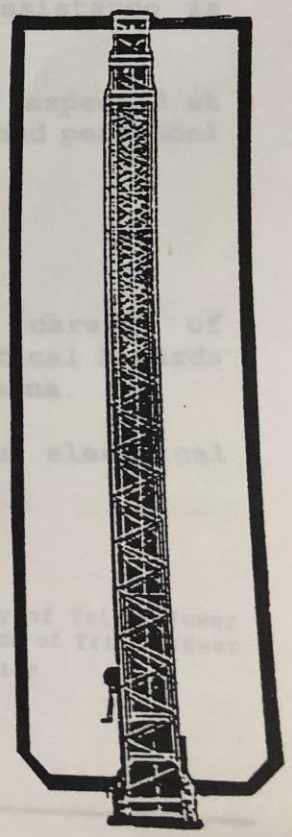
Pre-drilled rotator mounting plate in top section.
(Note T²X rotator will not fit inside section.)

FREE STANDING: No guys nor house bracket required. Hoisting cable system designed to extend the tower telescoping sections uniformly.

STRONG: Because of high strength tubing and the "W" bracing of solid rod, this design is considered to be the strongest engineering configuration for towers, yet saves weight, resists torsional loads, and reduces wind resistance allowing more useful load to be installed on the tower.

ALIGNED: Manufactured with precision jigs to hold the tower sections in the proper positions while they are being fabricated so the sections will fit precisely together for erecting and operation.

WINNER
WT-51



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