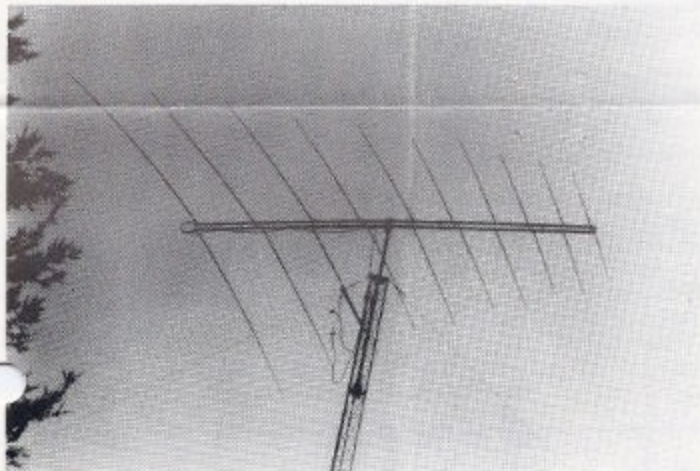


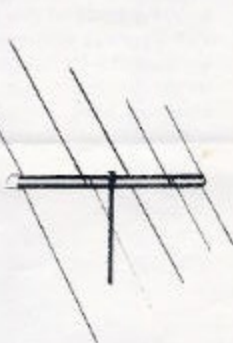
TENNADYNE

HF LOG-PERIODICS



T-10 EAGLE

T-5 HAWK



**TENNADYNE
CORPORATION**

P.O. BOX 1311
BUENA VISTA, CO 81211
PH/FAX (719) 395-4100

Our purpose here at **TENNADYNE** is to make for you the most effective antennas possible for your application. We started with a clean sheet of paper, very clean, when we designed our series of antennas. We had no old tool or tooling that was still useful, no locked-in "tradition" we felt we had to maintain.

The *only* interests we had were to design antennas that were electrically, mechanically and cost efficient, antennas that were user-friendly, antennas that take only a few hours to assemble rather than a few days.

We wanted efficient state-of-the-art antennas, not just a rehash of old technology for the sake of continuing the use of old tools, tooling and ideas. Traps, we felt, were not only terribly inefficient but, obviously, the technology of the 30's, 40's and 50's.

In use world-wide, **TENNADYNE** antennas are state-of-the-art, frequency-independent, LOG-PERIODIC DIPOLE ARRAYS. Arrays that give you full operational capabilities on all five of the 14-30 MHz ham bands and, they do it with both electrical and mechanical efficiency.

TENNADYNE antennas are designed to be light-weight and strong and to fully match the functional capabilities of your modern rig with unsurpassed frequency agility.

For simplicity and mechanical ruggedness, our LPDA's use the dual-boom type of feed/matching system. The booms are insulated one from the other and make up the antenna feed system with the elements passing directly through the booms. With this type of construction, we eliminate the

TENNADYNE antennas are all designed to handle 100 MPH of wind and, they do! In hurricane Hugo, probably the strongest storm to hit the U.S. mainland in the past century, **TENNADYNE** antennas suffered no damage.

To give you an idea about the relative strengths of the aluminum alloys most widely used as antenna materials, we took the following information from one of our supplier's data books:

ALUMINUM ALLOY	YIELD STRENGTH PSI	ULTIMATE STRENGTH PSI
6061-T6 *	40,000#	45,000#
6063-T832	39,000#	42,000#

* USED EXCLUSIVELY AT **TENNADYNE**

While some antenna manufacturers seem to re-invent the laws of physics in their favor, we here at **TENNADYNE** tend to be more on the conservative side when it comes to published gain figures.

need for a truss to support the sagging ends of the boom and also do away with any problems associated with the criss-crossed wire/tube feed systems. Our antennas offer a DIRECT 50-52 ohm match.

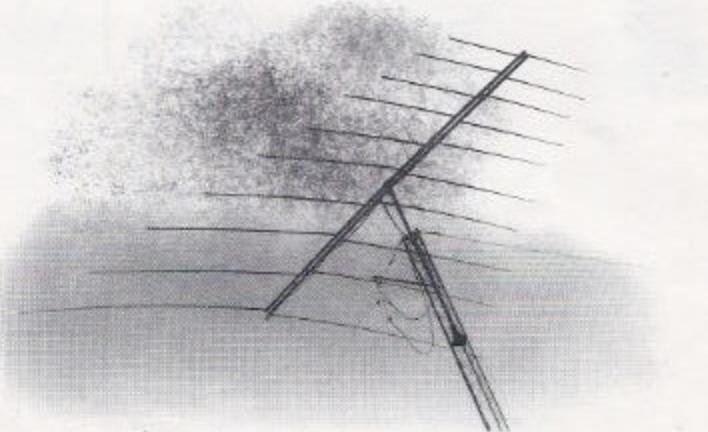
We utilize our antenna test range to test our competitors antennas as well as to verify our theoretical findings so we're not about to lay claim to a practical LPDA design that exceeds the gain of an optimum 3-element mono-band Yagi. We're close but, that would be ludicrous! An LPDA for 13-30 MHz with over 7.00 dBd of gain would be a mechanical monster and nightmare.

We have tested a 7-element tri-bander and have found, for instance, the forward gain of the tri-bander on 20M and our T10 LPDA were identical. The LPDA, surprisingly, had 3 dB more F:B at the test frequency.

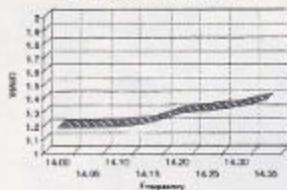
We will tell you that you can get very respectable results with our LPDA antennas on all five of the upper HF bands without breaking your bank and alienating your neighbors. Think of this, a single antenna and a single feed line, for *five* ham bands!

TENNADYNE antennas don't have any gimmicks or gadgets, they're straight textbook and, they work!

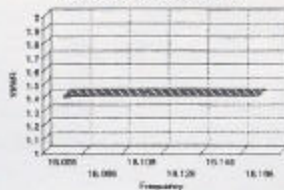
LISTEN TO THEM...FROM AROUND THE WORLD!



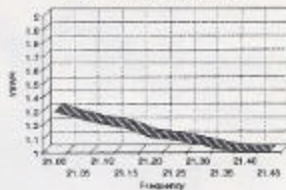
Tennadyne T-10 EAGLE LPDA
@ 75 FT, 160 FT R36-X, Choke Balun



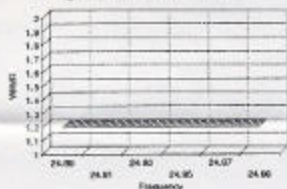
Tennadyne T-10 EAGLE LPDA
@ 75 FT, 160 FT R36-X, Choke Balun



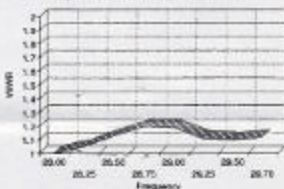
Tennadyne T-10 EAGLE LPDA
@ 75 FT, 160 FT R36-X, Choke Balun



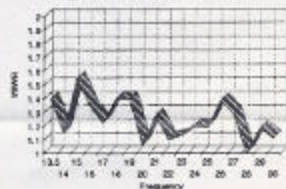
Tennadyne T-10 EAGLE LPDA
@ 75 FT, 160 FT R36-X, Choke Balun



Tennadyne T-10 EAGLE LPDA
@ 75 FT, 190 FT R34-X, Choke Balun



Tennadyne T-10 EAGLE LPDA
@ 75 FT, 160 FT R36-X, Choke Balun



COURTESY N9AN

TECHNICAL SPECIFICATIONS ELECTRICAL

SCALE FACTOR T	.8321
SIGMA	.0560
FORWARD GAIN	5.1 dBd
F:B RATIO	14-24 dB
FREQUENCY COVERAGE	14-29.7
NOMINAL MAX SWR	2.1:1
FEEDPOINT IMPEDANCE	50-52 ohms
POWER	COAX LIMITED ONLY

T-5 HAWK

SCALE FACTOR T	.8321
SIGMA	.0560
FORWARD GAIN	5.1 dBd
F:B RATIO	14-24 dB
FREQUENCY COVERAGE	14-29.7
NOMINAL MAX SWR	2.1:1
FEEDPOINT IMPEDANCE	50-52 ohms
POWER	COAX LIMITED ONLY

T-10 EAGLE

SCALE FACTOR T	.9040
SIGMA	.0498
FORWARD GAIN	6.4 dBd
F:B RATIO	17-25 dB
FREQUENCY COVERAGE	12.5-30 MHz
NOMINAL MAX SWR	1.6:1
FEEDPOINT IMPEDANCE	50-52 ohms
POWER	COAX LIMITED ONLY

MECHANICAL

BOOM LENGTH	12 FT
ALUMINUM ALLOY	6061-T6
HARDWARE	SS
WEIGHT	31 LBS
WIND AREA	5.1 SQ FT
WIND LOAD @ 80 MPH	82 LBS
SUGGESTED MAST	2" MAX
LONGEST ELEMENT	33.8 FT
TURNING RADIUS	20.2 FT
MAXIMUM WIND	100 MPH
# ELEMENTS	5

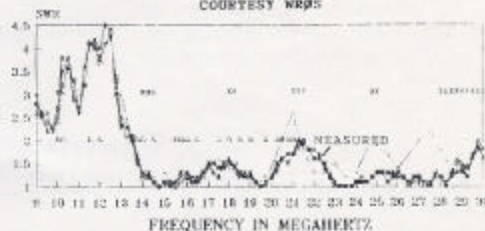
BOOM LENGTH	24 FT
ALUMINUM ALLOY	6061-T6 UNPOLISHED
HARDWARE	SS
WEIGHT	56 LBS
WIND AREA	11.0 SQ FT
WIND LOAD @ 80 MPH	176 LBS
SUGGESTED MAST	2" MAX
LONGEST ELEMENT	38.5 FT
TURNING RADIUS	22.7 FT
MAXIMUM WIND	100 MPH
# ELEMENTS	10

BOOM LENGTH	24 FT
ALUMINUM ALLOY	6061-T6 UNPOLISHED
HARDWARE	SS
WEIGHT	56 LBS
WIND AREA	11.0 SQ FT
WIND LOAD @ 80 MPH	176 LBS
SUGGESTED MAST	2" MAX
LONGEST ELEMENT	38.5 FT
TURNING RADIUS	22.7 FT
MAXIMUM WIND	100 MPH
# ELEMENTS	10

NOTE: Specifications are subject to change at any time without notice.

T5 HAWK LOG PERIODIC Measured Specs

COURTESY W9P5



THOUGHT YOU MIGHT
HAVE AN INTEREST
IN THIS BROCHURE.

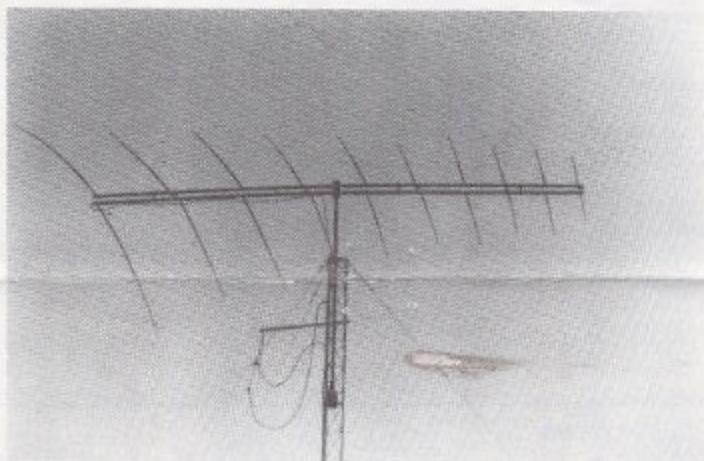
CHUCK

EXTENDED WARRANTY

We offer our customer a warranty that is unique in the industry. All **TENNADYNE** antennas come with

a two year limited warranty. We can offer this extended warranty because the products are made of high-quality materials, under controlled production operations,

in-process inspection and a vigorously applied Quality Assurance Program. In a word, it's our promise of high quality and value to you.



ORDERING INFORMATION

Our antenna prices are:

T-5	\$
T-10	\$

In order to give you the best possible value, **TENNADYNE** antennas are sold direct from the factory only.

Make your check payable to **TENNADYNE** and send to:

TENNADYNE CORPORATION
P.O. BOX 1311
BUENA VISTA, CO 81221

Please allow two weeks for personal checks to clear. Bank checks receive immediate shipment. Sorry, no credit cards, please. We'd have to raise our prices by 4% to accommodate them. **TENNADYNE** will pay shipping charges to any point in North America, shipping by UPS surface.

TENNADYNE CORP.
P.O. BOX 1311
BUENA VISTA, CO 81211
PH/FAX (719) 395-4100



WOODY
DENVER, CO 80227