

Microwave Telemetry, Inc.



Growing pains...

Dear Customers and Friends,

As we pause to reflect on 2002, it is very rewarding to see our hard work come to fruition: more of our customers are making good use of our latest technology—our 70g Argos/GPS solar transmitters and our Archival Pop-up tags. We thank Peter Sharpe, David Garcelon and Jessica Dooley for their interesting article on tracking bald eagles with our Argos/GPS PTTs. We also thank Mike Musyl, Yonat Swimmer and Rich Brill for their fascinating article on the use of Archival Pop-up tags to study the survival of pelagic fish and sea turtles caught on long line fishing gear.

However, these high tech devices are also more complex and more labor intensive to produce. In order to streamline production, we have reorganized our facility and expanded our production area. We also have a major recruiting effort under way to increase our staff. Please bear with us as we go through our growing pains. We ask for your cooperation as we put our new system into place (see pg. 2).

Last but not least, we again proudly present to you the second in a series of articles submitted by the schools awarded free transmitters; please join us in sharing the children's enthusiasm. We especially thank Ken Meyer for his article, and Genie Sturtevant for her participation with her science students at Yankeetown Middle School.

We wish you peace, health and happiness this holiday season and throughout the coming year, and we look forward to continuing to work with you.

Sincerely,
Paul and the staff at MTI



Many thanks to all who gave permission for the use of their photos for our new Tee-shirt design: clockwise from the top right, Rob Bennetts, Michael Scholl, Yonat Swimmer, and Paul Howey.

Two Archival Pop-up Tags are Designed for Short-term and Long-term Studies

Microwave Telemetry's line of Argos compatible Archival Pop-up tags for fish tracking now includes two models. The original PTT-100 Archival Pop-up Tag can archive temperature, depth, and sunrise and sunset times (for subsequent geolocation calculation) for over a year. The PTT-100 Archival HR Pop-up Tag, our short-term archival tag, records temperatures, depths and light levels at a high sample rate (readings every one to four minutes) for up to four weeks. It is particularly suitable for short-term mortality studies.

Both models incorporate our SiV™ (Satellite in View) technology, pioneered on our bird PTTs, to enhance data collection.

The tags are rated to withstand 3000 psi (6500ft. or 2000m) and have an optional pressure initiated pop-off feature to allow the tag to pop off and start transmitting

if it descends below a predetermined depth or remains at a constant depth (e.g., at the surface or on the bottom) over a predetermined length of time.



Photo courtesy of Alex Antoniou

Whale Sharks, unknown to science until 1838, can now be studied through the use of Archival Pop-up tags.