

Symposium on Tagging and Tracking Marine Fish with Electronic Devices
February 7-11, 2000, East-West Center, Keoni Auditorium
Preliminary Program

Day	Time	First Author	Title
Monday	8:00		Registration
Feb. 7	8:45		Opening Remarks
			Session 1 - Demersal and Neritic Species
	9:00	Richard M. Starr	In Situ Tagging and Automated Tracking of Deepwater Rockfishes
	9:30	Nobuaki Arai	Analysis of Swimming Behavior of a Free-Range Red Sea Bream using Micro Data-Loggers
	10:00		Break
	10:30	Michael Arendt	Seasonal Residence, Movement, and Activity Patterns of Adult Tautog (<i>Tautoga onitis</i>) in Lower Chesapeake Bay
	11:00	Geoff Arnold	Orientation and Swimming Speed of Migrating Plaice from Acoustic Tracking and ADCP Measurements
	11:30	Stephania K. Bolden	Use of Acoustic Tracking to Determine Home Range of a Coral-Reef Fish
	12:00		Lunch Break
	13:00	David Cote	Effects of Intraperitoneal Implantation of Acoustic Transmitters on the Swimming Performance and Growth Rates of Juvenile Atlantic Cod, <i>Gadus morhua</i>
	13:30	Anne-Marie Eklund	Habitat Utilization and Seasonal Migrations of Adult and Juvenile Jewfish, <i>Epinephelus itajara</i> , using Acoustic Telemetry
	14:00	Ewan Hunter	Changing Plaices: Where and When to Go With the Flow
	14:30	Greg McKinnon	Calibrating Caudal Pressure to Swimming Speed in European Sea Bass, <i>Dicentrarchus Labrax</i>
	15:00		Break
	15:30	Carl Meyer	Current Results and Future Prospects for Tracking in Very Shallow Water: Hardwire to Hardshell
	16:00	Hiroshi Nakajima	Some Results about the Tagging Experiment of Ocellate Puffer, <i>Takifugu rubripes</i> , using an Archival Tag
	16:30	Ron O'Dor	How Reef Squid Ride the Tide, as Revealed by RAPT
	17:00		Adjourn
Reception at East-West Center, Wailana Room			

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Tuesday				Session 2 - Pelagic Fishes
Feb. 8	8:30	Pascal	Bach	Vertical Distribution of Tuna: Ultrasonic Tagging Versus Instrumental Longline Fishing
	9:00	Susanna	Blackwell	Depth, Thermal Preferences and Body Temperature of Pacific Bluefin Tuna from Acoustic and Pop-Up Satellite Archival Tracking
	9:30	Barbara	Block	Archival and Pop-Up Satellite Archival Tags Reveal New Information about Atlantic Bluefin Tuna
	10:00			Break
	10:30	Andre M.	Boustany	Behavior and Environmental Preferences of Bluefin Tuna (<i>Thunnus thynnus</i>) Off the Coast of North Carolina Inferred from Acoustic, Archival and Pop-Up Satellite Tags
	11:00	Richard	Brill	Horizontal and Vertical Movements of Bigeye Tuna (<i>Thunnus obesus</i>) Carrying Archival Tags
	11:30	Gregorio	De Metrio	Tagging Mediterranean Bluefin Tuna with Pop-Up Satellite-Detected Tags
	12:00			Lunch Break
	13:00	Heidi	Dewar	The First Deployment of Single-Point Pop-Off Satellite Tags on Bluefin Tuna and Marlin
	13:30	John	Gunn	Basin Scale Migrations and Fine Scale Movements of Juvenile Southern Bluefin Tuna Determined by Archival Tags
	14:00	Jason	Hartog	How Much Does a Tuna Eat Each Day? Do Archival Tags Provide us With a Means for Determining Daily Ration?
	14:30	Molly	Lutcavage	They do Get Around: An Update on North Atlantic Bluefin Tuna Tagging Results in the NW Atlantic, 1990-2000
	15:00	Arturo	Muhlia-Melo	Tagging Experiment of Big Pelagic Fishes at the Espiritu Santo Seamount (During 1997-1998-1999), La Paz, B.C.S., Mexico
	15:30			Break
	16:00	Itaru	Ohta	Aggregating Behavior of Yellowfin and Bigeye Tuna Tagged with Coded Ultrasonic Transmitters around FADs in Okinawa, Japan
	16:30	Christopher R.	Bridges	New Muscle Biopsy for Sex Determination and Sexual Maturity in Large Pelagic Fishes
	17:00	Jill	Aitken	Lifestyles of the Giant Cuttlefish (<i>Sepia apama</i>)
	17:30			Adjourn

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Day	Time	First Author		Title
Wednesday				Session 3 - Anadromous Fishes
Feb. 9	8:30	Marianne	Holm	A Summary of Norwegian Experiments with Tracking the Early Marine Migration of Atlantic Salmon (<i>Salmo salar</i>) Post-Smolts with Hydroacoustic Transmitters
	9:00	Gilles L.	Lacroix	Finding the Smoking Gun: Where do Atlantic Salmon from the Inner Bay of Fundy Go at Sea?
	9:30	Richard	Radtke	The Use of Archival Tags to Demonstrate Activity Profiles of Sea Going Arctic Charr (<i>Salvelinus alpinus</i>) in Norwegian Coastal Waters
	10:00			Break
	10:30	Johannes	Sturlaugsson	Vertical Movements of Homing Atlantic Salmon (<i>Salmo salar L.</i>) in Coastal and Oceanic Waters
	11:00	Johannes	Sturlaugsson	Tracking Distribution and Migration Routes of Sea Trout (<i>Salmo trutta L.</i>), Arctic Char (<i>Salvelinus alpinus L.</i>) and Homing Atlantic Salmon (<i>Salmo salar L.</i>) in Icelandic Waters using Information on Temperature and Salinity from Data Storage Tags and Integrated Information from Tidal Stream Data, Hydrographical Data and from Sea Surface Satellite Imagery
	11:30			Adjourn
Wednesday afternoon open for tours of NMFS Kewalo Basin Laboratory and Hawaii Institute of Marine Biology				
BBQ Dinner at HIMB's Coconut Island, details to be announced at symposium				

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Thursday			Session 4 - Elasmobranchs
Feb. 10	8:30	Michelle Heupel	Use of a Remote Acoustic Telemetry System to Monitor Shark Movements in a Coastal Nursery Area
	9:00	Kim Holland	Five Tagging Techniques Applied to a Single Species in a Single Location: The Tiger Shark Experience
	9:30	Alex Antoniou	Satellite Tracking of Whale Sharks
	10:00		Break
	10:30	Christopher Lowe	Quantifying the Energy Requirements of Hammerhead Sharks using Acoustic Telemetry Techniques
	11:00	Erin Rechisky	Short Term Movements of Juvenile Sandbar Sharks, <i>Carcharhinus plumbeus</i> , on Their Nursery Grounds on Delaware Bay
	11:30	John Stevens	Depth Behaviour and Position Estimates from Archival-Tagged School Sharks (<i>Galeorhinus galeus</i>) in Australia
	12:00		Lunch Break
	13:00	Grant J. West	Estimating the Time of Dawn and Dusk from Archival Tag Light Data: Methods used in the Archival Tagging of School Shark (<i>Galeorhinus galeus</i>) in Australia
	13:30	Brad Wetherbee	Are Tiger Sharks Pelagic or Coastal? Movement Patterns of Tiger from Two Locations in Hawaii
			Session 5 - Hardware & Software
	14:00	Michael L. Domeier	A Pressure Induced Release Mechanism for Satellite Pop-Off Tags
	14:30	Roger Hill	Geolocation by Light Levels - The Next Step: Latitude
	15:00		Break
	15:30	Paul Howey	Pop-Up Satellite Tags: Their Evolution So Far
	16:00	Fred Voegeli	Choice of Coded Acoustic Transmitter Repeat Intervals using a Simulator, with Comparison to Actual Detections Recorded from Multiple Transmitters in the Same Location
	16:30	David Welch	Effects of Depth on Geoposition Estimation from Archival Tags
	17:00		Adjourn

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Day	Time	First Author		Title
Friday				Session 6 - Synthesis
Feb. 11	8:30	Laurent	Dagorn	Pop-Up Archival Tags: Prospects for Assessment of Tuna Dynamics from Micro- to Large-Scale
	9:00	Julian	Metcalfe	Modeling Population Movements from Individual Behaviour
	9:30	Nathaniel	Newlands	Integrating Cross-Scale Movement Information from Tagging and Tracking Studies of North Atlantic Bluefin Tuna (<i>Thunnus thynnus</i>)
	10:00	John	Sibert	Possible Models for Combining Tracking Data with Conventional Tagging Data
	10:30			Break
	11:00			General Discussion
	12:00			Adjourn
Continuing				Posters
		Vito	Susca	Sex Determination and Maturation Stage Estimation in Large Pelagic Fishes using Steroids and Vitellogenin Levels: An Experimental Field Approach
		Michael K.	Musyl	Ability of Electronic Archival Tags, Submerged at Varying Depths on a Stationary Mooring Line in the Pacific Ocean, to Provide Estimates of Geographical Position based on Light Intensity: How Good are They?
		David	Kirby	Modeling the Physiology, Behaviour and Spatial Dynamics of Tunas in Relation to Their Environment: A Mini-Review with Special Reference to the Role of Tagging in Model Derivation and Evaluation
		John	Graves	TBA
				Exhibits
		Fabian	Wolk	Alec Electronics Company, Ltd., Kobe, JAPAN
		Keith	Stoodley	Lotek Marine Technologies, Inc., St. John's, NF, CANADA
		Frederick	Voegeli	VEMCO Ltd., Shad Bay, NS, CANADA
		Melinda	Braun	Wildlife Computers, Redmond, WA, USA
		Paul	Dalzell	Western Pacific Regional Fishery Management Council, Honolulu, HI, USA