

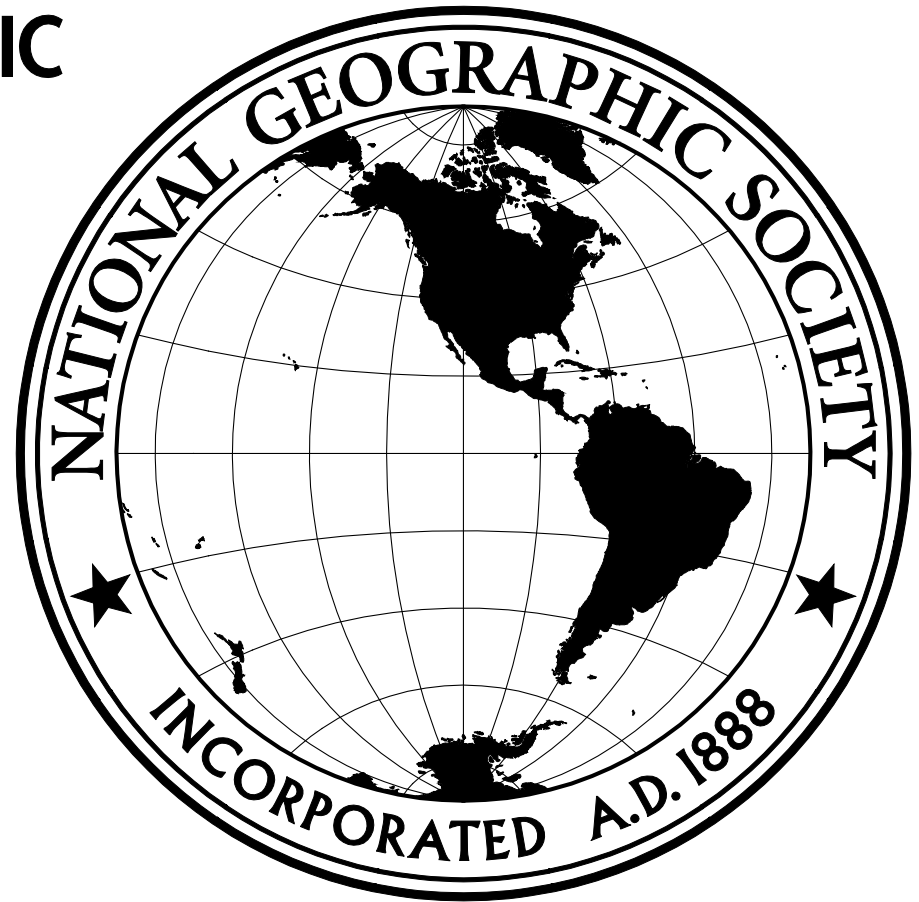


NATIONAL GEOGRAPHIC

Mission Programs >

*Research,
Conservation,
& Exploration* >

Remote Imaging





CRITTERCAM

- Scientific research tool that collects video, audio and environmental data while carried by a wild animal
 - 54 species: sharks, whales, turtles, seals, lions, bears, and more
 - Over 700 deployments around the world



Darcy Bradley



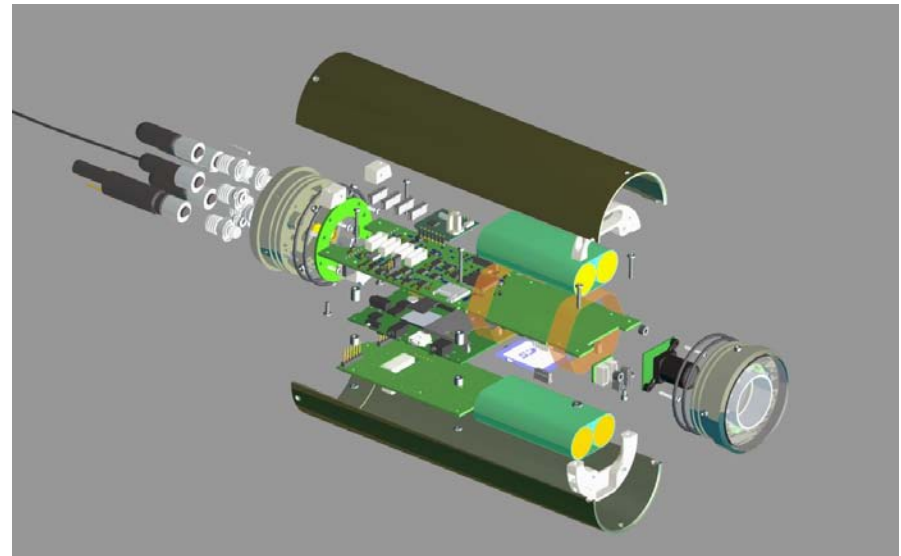
Kathi Koontz



What is CRITTERCAM?

...an integrated video and data logging instrument

- On-board video recording
- Audio recording
- Environmental data logging
- “Smart” system
 - Flexible protocols
 - Release and recovery features





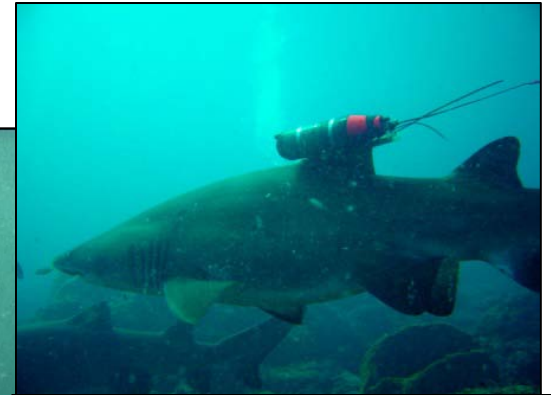
CRITTERCAM Accomplishments

- Revealed completely unexpected foraging techniques and habitats that were crucial to establishing appropriate protections for the endangered **Hawaiian monk seal**
- Found that **emperor penguins** find prey along the bottom of sea ice rather than the deep, as previously believed
- Revealed the underwater dynamics and specialized roles of individuals in groups of bubble-net feeding **humpback whales**
- And many more!

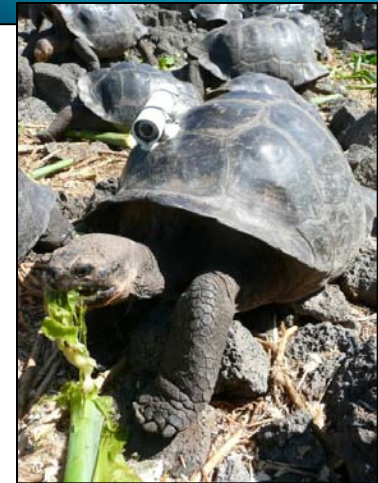




CRITTERCAM



32 scientific journal articles, dozens of popular media articles, 34 films, 45+ video shorts





Attachment

- **Suction cup**
 - Whales, turtles
- **Fin clamp**
 - Sharks

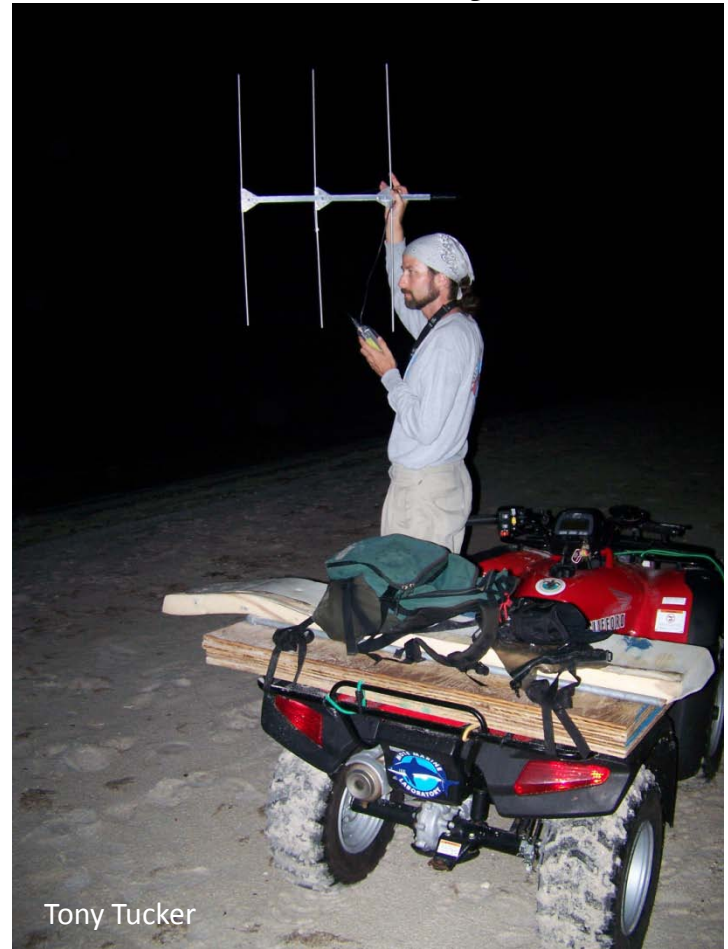


- **Epoxy patch**
 - seals, turtles
- **Harness**
 - penguins, manatees



Tracking and Recovery

- Microprocessor controlled release
- Back-up dissolvable link
- Built in VHF transponder



Tony Tucker



WildCam

- A network of live video streams, enhanced by educational and research content, bringing amazing wildlife, events, places, cultures – from all over the world – straight to your computer in real time

WILDCAM AFRICA

WildCam Alerts!
Sign up to receive info on upcoming WildCams

Name
Email Submit

WILDCAM ABOUT ANIMALS WALLPAPERS & POSTCARDS VIDEO FORUMS RESOURCES AFRICA TRIPS MORE WILDCAMS

Playing: 1986 Kbps WildCam Belize Reef 00:00:18



Hi-tech can be productive, but ***Do Your Research!***

- Does the technology *really* do what you think it does?
- Do you have the resources to install and maintain it?
- Is there an easier/less expensive/more effective way to achieve your goals?



THANK YOU!



Christa Hotz