



Dr. I. Chiu Liao

**Award for Lifetime Achievement
in Sustainable Production of Farmed Seafood**

Impressive Career

- Born in Tokyo, Japan
- Training and Education (Ph.D., M.S.), University of Tokyo
- Research Fellow, Rockefeller Foundation (1968)
- Director, Tungkan Marine Laboratory (1969-1987)
- Director General, Taiwan Fisheries Research Institute (1987-2002)
- Chairman, Fisheries Society of Taiwan (2005-2008)



Honors

- Taiwan Presidential Science Prize (2009)
- Achievement Award in Science and Engineering (1989), Taiwan American Foundation
- Academic Award (1987), Taiwan Ministry of Education
- Outstanding Research Awards (1986-1995), Taiwan National Science Council



Honors (cont.)

- Honorary Life Member
- Asian Fisheries Society
- World Aquaculture Society
- Fellow, Academy of Sciences for the Developing World
- Academician, Academia Sinica







First Technological Breakthroughs In Japan



- Shrimp farming started in Japan where Dr. Fujinaga (right) first developed techniques for culture in captivity.
- During the late 1960's, his techniques were transferred to Taiwan through Dr. Liao (left).

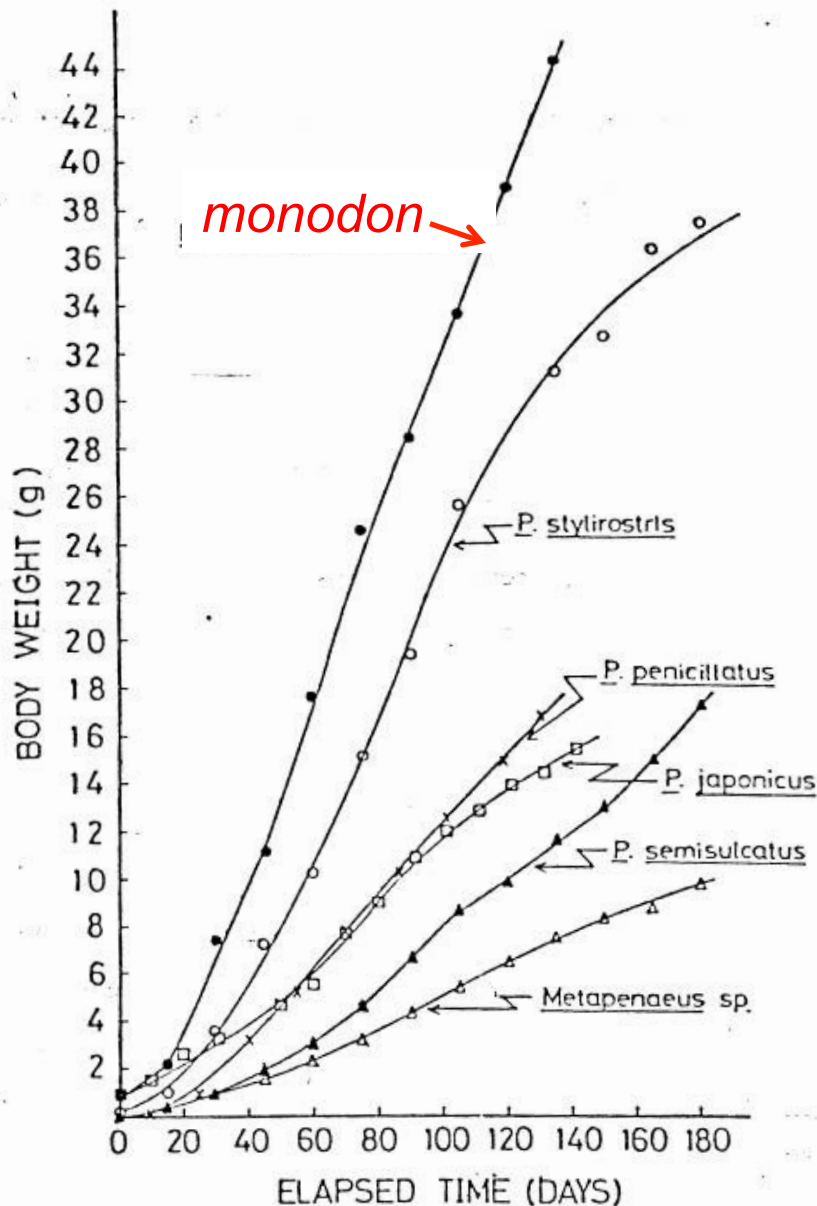


Black Tiger Shrimp

(*Penaeus monodon*)



Penaeus monodon



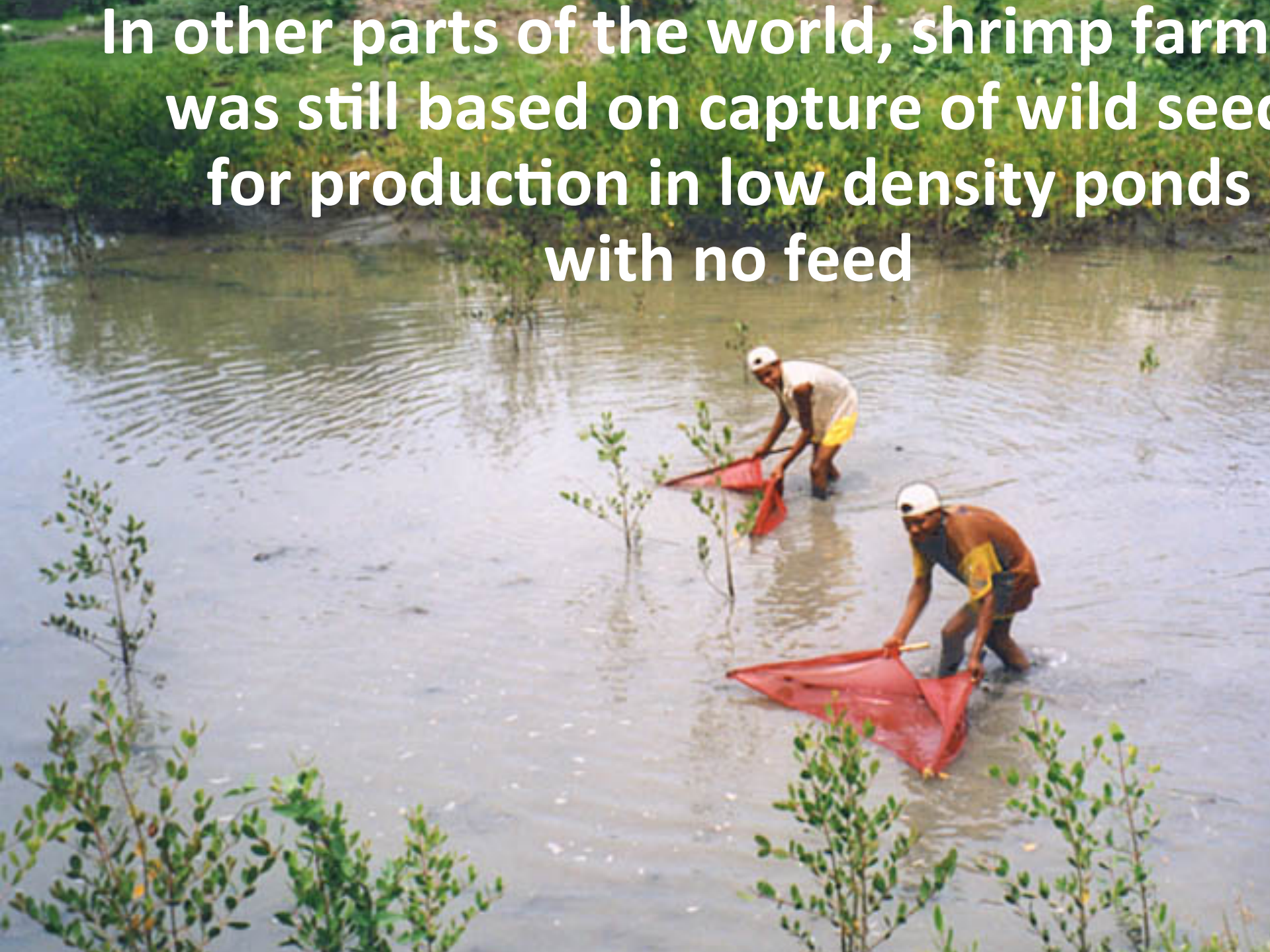
Dr. Liao selected black tiger shrimp (“monodon”) as the best species for Asian conditions.

- Fastest growth to large sizes
- Tolerates wide range of salinity and temperature
- Accepts formulated feeds with protein level of 35-40%

Taiwan Became the Model for Shrimp Farming in Asia



**In other parts of the world, shrimp farming
was still based on capture of wild seed
for production in low density ponds
with no feed**



Other Accomplishments

- Pioneered Research on Milkfish and Grey Mullet
 - Discovered Important Facts Regarding Preliminary Life Cycle
 - Accelerated Development of Artificial Propagation
- Advances in Red Drum Aquaculture







Red Drum



Current Positions

- Chair Professor, National Taiwan Ocean University
- Chair Professor, National Pingtung University of Science and Technology



Dr. I. Chiu Liao



- “Father of *Penaeus monodon* Farming”, who catalyzed shrimp farming throughout Asia
- Award-Winning Scientist
- Researcher, teacher, and professor
- Leader in sustainable aquaculture



Thank You!

