

# TROPICAL FISH GLOBAL

**Date M.A.J.**

**6 février 2011**

february 2011	Departments	8	Editor's note / reader's forum	
		9	Contributors	
		10	Feature photo	
		12	Freshwater Q&A	
		18	Saltwater Q&A	
		33	Aquatic plant of the month	
		52	Fish of the month	
		104	Product spotlight	
		106	Classifieds	
		108	Meeting place	
		112	Advertiser index	
		Features	54	
60	A panda of a different nature		Sung S.	
64	Fish parenting		Casacuberta M.	
70	Treating and preventing two cichlid diseases		Bednarczuk R.	
76	<b>Book excerpt</b> : <i>tetras and barbs</i>		Carey R.	
82	The incomparable torrentfish		Cooper D.	
84	Keeping up with nitrate		Jackson S.	
88	Triops : ancient wonders		Dunlop C.	
92	A mediterranean nano		Zupo V. PhD	
100	Hobbyist profile : discus in San Francisco with Cliff Young		Tavares I.	
Columns	24	Ask Jack	Wattley J.	
	26	Cichlid world	Judy T.	
	30	The planted tank	Wilson R.	
	34	Going nano	Maddox M.	
	38	Import report	Denaro M.	
	42	Adventures in aquascaping	Turner J.	
	46	The Reefer	W Fatherree MSc	
january 2011	Departments	8	From the editor / Letters	
		9	Contributors	
		10	Feature photo	
		12	Freshwater Q&A	
		18	Saltwater Q&A	
		33	Aquatic plant of the month	
		48	Fish of the month	
		92	Holiday product showcase	
		108	Classifieds	
		110	Meeting place	
		112	Advertiser index	
		+	<b>A decade of TFH at a glance!</b> TFH article index 2001-2010 (P100)	
	Features	50	Using rocks and aquatic plants to create a sense of depth	Amano T.
		54	International aquatic plants layout contest 2010	Amano T.
		60	Good golly, miss Molly understanding the molly aquarium	Monks N. PhD
		66	Lunar beauties : moonlight gouramis <i>Trichogaster microlepis</i>	Hargrove M.
		70	Africa's hottest tilapia	Kent L.
		76	The TFH breeder's challenge finale	Judy T. & Hellweg M.
80		Amsterdam's artis aquarium : small venue, immense wonders	Tavares I.	
88	Raising sergeant majors	L Wittenrich M.		
Columns	24	Ask Jack	Wattley J.	
	26	Cichlid world	Hanneman E. PhD	
	30	The planted tank	Wilson R.	
	34	Going nano	Maddox M.	
	38	Adventures in aquascaping	Turner J.	
	42	The reefer	Fatherree J-W. MSc	

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Déc 2010	Departments	6	From the editor	
		8	Contributors	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		35	Aquatic plant of the month	
		48	Fish of the month	
		49	On the cover	
		96	Holiday product showcase	
		104	Store directory	
Features	50	Driftwood structure in the nature aquarium	Amano T. Gonzalez, Loureiro Judy T. Dunlop C. Lang T. Demas P. Hunt P. PhD Judy T. & Hellweg M.	
	56	A new cichlid species from Uruguay : <i>Gymnogeophagus tirapraz</i>		
	62	Large tetras of West Africa		
	68	Leaves for aquaria		
	74	From San Francisco to Milwaukee : the great pacu project		
	78	Safety first! Basic aquarium equipment precautions		
Columns	84	<i>Cirrhilabrus</i> : the fairy wrasses	Wattley J. Dibble I. Wilson R. Baliban J. Denaro M. W Fatherree J.	
	92	<i>TFH</i> breeder's challenge part 12		
	26	Ask Jack		
	28	Livebearers unlimited		
	32	The planted tank		
	36	Adventures in aquascaping		
Nov 2010	Departments	40	Import report	
		42	The reefer	
		8	From the editor	
		10	Contributors	
		12	Freshwater Q&A	
		20	Saltwater Q&A	
		37	Aquatic plant of the month	
		52	Marine invert of the month	
		54	Fish of the month	
Features	55	On the cover	Amano T. A Randall K. Hargrove M. Zahradka K. Monks N. Horowitz S. Denitti F. PhD Judy T. & Hellweg M.	
	98	Holiday product showcase		
	107	Meeting place		
	110	Classified ads		
	112	Index to advertisers		
	56	Driftwood layout techniques for the nature aquarium		
Columns	62	Aquatic gardening nano style	Wattley J. Dost U. Wilson R. Baliban J. Denaro M. W Fatherree J.	
	68	Going for the gold(fish)		
	74	Journey to the land of the clown loach		
	80	8 fun gobies for aquariums of all sizes		
	86	Beneath the waves of the gulf of Mexico		
	92	Mediterranea discus 2010		
Columns	94	The <i>TFH</i> breeder's challenge part 11	Wattley J. Dost U. Wilson R. Baliban J. Denaro M. W Fatherree J.	
	28	Ask Jack		
	30	Livebearers unlimited		
	34	The planted tank		
	38	Adventures in aquascaping		
	42	Import report		
		46	The reefer	

# TROPICAL FISH GLOBAL

**Date M.A.J.**

**6 février 2011**

Oct 2010	Departments	4	From the editor	
		6	Contributors	
		8	Freshwater Q&A	
		16	Saltwater Q&A	
		33	Aquatic plant of the month	
		48	Marine invert of the month	
		50	Fish of the month	
		51	On the cover	
		106	Product spotlight	
		107	Meeting place	
		110	Classified ads	
		112	Index to advertisers	
Features	52	Foreground variations in the nature aquarium	Amano T. Blumhagen A. Bodrock E. & Bock B. Bednarczuk R. Purser P. Goldstein H. Dost U. Kurtz J. Tavares I. Judy T. & Hellweg M.	
	58	Catfish!		
	66	Amazing catfish breeding strategies		
	70	A giant among dwarfs : apistogramma steindachneri		
	74	Into the deep : a survey of freshwater sharks		
	80	Kelly warm springs : the tropics of Wyoming's grand tetons		
	86	A lovely new import : marble crabs metasesarma obesum		
	90	<a href="#">Book excerpt</a> : clownfishes and other damselfishes		
96	Hobbyist profile : Thomas Siodmok, a conservation-minded reef aqua			
102	The <i>TFH</i> breeder's challenge part 10			
Columns	24	Ask Jack	Wattley J. Wilson R. Coletti T. PhD Baliban J. Dearo M. Fatherree J-W. MSc	
	26	Livebearers unlimited		
	30	The planted tank		
	34	Adventures in aquascaping		
	38	Import report		
	42	The reefer		
Sept 2010	Departments	6	From the editor	
		8	Contributors	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		39	Aquatic plant of the month	
		54	Marine invert of the month	
		56	Fish of the month	
		57	On the cover	
		104	Product spotlight	
		105	Meeting place	
		108	Store directory	
		110	Classified ads	
	112	Index to advertisers		
	Features	58	Creating an expressive foreground in the nature aquarium	Amano T. Shiang Huei J. Denaro M. Wittenrich M. Maddox M. Marini F C. PhD Rosser B. Zupo V. PhD Judy T. & Hellweg M.
		64	Little paradisefish from my ancestors' homeland	
		70	Gilding the <i>ramirezi</i> : the many forms of ram cichlids	
		74	Breeding mandarins	
		80	Lighting, photosynthesis, and marine invertbrates	
86		<a href="#">Book excerpt</a> : <i>lionfishes</i> and other <i>scorpionfishes</i>		
90		Keeping the impossible ribbons and bats		
96		Interzoo 2010 : the ultimate aquarium show		
100	The <i>TFH</i> breeder's challenge part 9			
Columns	26	Ask Jack	Wattley J. Leibel W. PhD Coletti T. PhD Wilson R. Baliban J. Paul Hudson R. Fatherree J-W. MSc	
	28	Cichlidophiles		
	32	Livebearers unlimited		
	36	The planted tank		
	40	Adventures in aquascaping		
	44	Import report		
48	The reefer			

# TROPICAL FISH GLOBAL

**Date M.A.J.**

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Aug 2010	Departments	6	From the editor	
		8	Contributors	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		39	Aquatic plant of the month	
		52	Marine invert of the month	
		54	Fish of the month	
		55	On the cover	
		106	Product spotlight	
		107	Meeting place	
		110	Classified ads	
		112	Index to advertisers	
Features	56	Mastering the use of low-light aquatic plants	Amano T.	
	62	Wine betta <i>betta burdigala</i>	Pinto T.	
	66	Flinding <i>furu</i> in Tanzania : lake Victorian cichlids in the Mwanza region	Kent L.	
	72	Rasboras	Wiegert J.	
	78	Fish photography secrets	Bednarczuk R.	
	84	Those beautiful bassiets	Goemans B.	
	88	<b>Aquarium science</b> : breeding a sex-changing shrimp	Zupo V.	
	92	<i>Rhinopias</i> scorpionfish	Gosnell J.	
Columns	96	<b>Hobbyist profile</b> : raising clownfish fry with ram pall	Tavares I.	
	102	The <i>TFH</i> breeder's challenge part 8	Judy T. & Hellweg M.	
	26	Ask Jack	Wattley J.	
	28	Cichlidophiles	Leibel W. PhD	
	32	Livebearers unlimited	Coletti T. PhD	
	36	The planted tank	Wilson R.	
	40	Adventures in aquascaping	Denaro M.	
	44	Import report	Sung S.	
	46	The reefer	Fatherree J-W. MSc	

Fishkeeping directory 2010 : 64 page guide to the best dealers - readers' top shops

July 2010	Departments	6	From the editor	
		8	Contributors	
		9	Letters	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		41	Aquatic plant of the month	
		56	Marine invert of the month	
		58	Fish of the month	
		59	On the cover	
		106	Product spotlight	
		107	Meeting place	
		110	Classified ads	
112	Index to advertisers			
Features	60	Long-term maintenance of an <i>lwagumi</i> layout	Amano T.	
	66	Meet the Victorians	Hellweg M.	
	72	Breeding the basketmouth cichlid <i>caquetaia spectabilis</i>	Tavares I.	
	76	<i>Nannacara aurocephala</i> : a different dwarf cichlid	Zahradka K.	
	79	Girls will be boys : cichlid pseudomales	Smith A.	
	80	Today in the fishroom : the <i>parachromis managuensis</i> breeding cycle	Devlin M.	
	86	The fish habitats of a peruvian amazon river, part 2	Loughnan S.	
	92	A closer look at <i>caulerpa</i> : common aquarium species and their care	Jenkins A.	
Columns	96	The national sea life centre in Birmingham, UK	Borade D.	
	102	The <i>TFH</i> breeder's challenge part 7	Judy T. & Hellweg M.	
	28	Ask Jack	Wattley J.	
	30	Cichlidophiles	Leibel W. PhD	
	34	Livebearers unlimited	Coletti T. PhD	
	38	The planted tank	Wilson R.	
	42	Adventures in aquascaping	Denaro M.	
	46	Import report	Sung S.	
	50	The reefer	Fatherree J-W. MSc	

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June 2010	Departments	6	From the editor	
		8	Contributors	
		9	Letters	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		41	Aquatic plant of the month	
		56	Marine invert of the month	
		58	Fish of the month	
		59	On the cover	
		104	Product spotlight	
		105	Meeting place	
		108	Store directory	
110	Classified ads			
112	Index to advertisers			
June 2010	Features	60	Mastering the use of heliophytic aquatic plants	Amano T. C. Terceira A. R. Grady T. Sexton R. Loughnan S. Zupo V. Goemans B. Denitto F. PhD Judy T. & Hellweg M.
		66	Jewels of the world : the apyosemion georgiae species group	
		70	Rivulus : from boring to beautiful	
		74	Lampeye killies <i>micropanchax normani</i>	
		78	The fish habitats of a peruvian amazon river, part 1	
		84	<b>Aquarium science</b> : Light and fish behavior : creating the perfect	
		90	Algae-eating fishes for the marine aquarium	
		96	Naples aquarium : the oldest public aquarium in the world	
100	The <i>TFH</i> breeder's challenge part 6			
June 2010	Columns	28	Ask Jack	Wattley J. Leibel W. PhD Coletti T. PhD Wilson R. Denaro M. Sung S. Fatherree J-W. MSc
		30	Cichlidophiles	
		34	Livebearers unlimited	
		38	The planted tank	
		42	Adventures in aquascaping	
		46	Import report	
		50	The reefer	
May 2010	Departments	8	From the editor	
		10	Contributors	
		11	Letters	
		12	Freshwater Q&A	
		20	Saltwater Q&A	
		43	Aquatic plant of the month	
		54	Marine invert of the month	
		56	Fish of the month	
		57	On the cover	
		104	Product spotlight	
		105	Meeting place	
		108	Classified ads	
112	Index to advertisers			
May 2010	Features	58	Soil mounding and planting techniques for and <i>Iwagumi</i> layout	Amano T. Wang W. & Sung S. Bednarcuk R. Gosnell J. Watson D. Zupo V. Tavares I. Judy T. & Hellweg M.
		64	The imperial flowers loach	
		70	Exploring the galaxy	
		74	Putting fish back into the reef tank	
		80	Breeding the pajama cardinalfish	
		88	Color wars : reef fish and aggression	
		94	<b>Hobbyist profile</b> Jan-Willem Esselaar and the monster in the tank	
		100	The <i>TFH</i> breeder's challenge part 5	
May 2010	Columns	30	Ask Jack	Wattley J. Leibel W. PhD Coletti T. PhD Wilson R. Denaro M. Fatherree J-W. MSc
		32	Cichlidophiles	
		36	Livebearers unlimited	
		40	The planted tank	
		44	Adventures in aquascaping	
		48	The reefer	

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April 2010	Departments	8	From the editor	
		10	Contributors	
		11	Letters	
		12	Freshwater Q&A	
		20	Saltwater Q&A	
		41	Aquatic plant of the month	
		60	Marine invert of the month	
		62	Fish of the month	
		63	On the cover	
104	Product spotlight	Amano T. Hellweg M. Dost U. Serva R. Allen B. Clapsaddie C. Cid Ruiz J-M. Fenner B. Judy T. & Hellweg M.		
105	Meeting place			
108	Classified ads			
112	Index to advertisers			
Features	64		Growing colorful stem plants in the nature aquarium	
	70		Wild-type guppies there's nothing common about them i	
	76		Brachys from Costa Rica	
	80		<b>Aquarium science</b> : an exciting new micropoecilla	
	82		The tiger limia : species unknown ?	
	84	Plant filtration-no water changes!		
	90	Breeding seahorses		
96	Marbled or tile sea stars			
100	The <i>TFH</i> breeder's challenge part 4	Judy T. & Hellweg M.		
Columns	30	Ask Jack	Wattley J. Leibel W. PhD Coletti T. PhD Wilson R. Hudson R-P. Denaro M. Scott B. Fatherree J-W. MSc	
	32	Cichlidophiles		
	36	Livebearers unlimited		
	38	The planted tank		
	42	Adventures in aquascaping		
	46	Import report		
	50	Top of the food chain		
	54	The reefer		
march 2010	Departments	6	From the editor	
		8	Contributors	
		9	Letters	
		10	Freshwater Q&A	
		18	Saltwater Q&A	
		39	Aquatic plant of the month	
		58	Marine invert of the month	
		60	Fish of the month	
		61	On the cover	
		102	Product spotlight	
		103	Meeting place	
		106	Store directory	
108	Classified ads			
112	Index to advertisers	Amano T. Bednarcuk R. Mikolji I. Gibson S. Walmsley J. Judy T. & Hellweg M. Goemans B. Horowitz S.		
Features	62		Mosses and other bryophytes in the nature aquarium	
	68		It's dwarf crenicichla time!	
	74		The half-red hemigrammus : a new species ?	
	78		The rhina pleco pterygoplichthys scrophus	
	82		Aquatic plants don't read the books	
	86		The <i>TFH</i> breeder's challenge part 3	
90	Anthlas : those fancy basses			
96	The national aquarium in Baltimore			
Columns	26	Ask Jack	Wattley J. Leibel W. PhD Coletti T. PhD Wilson R. Sung S. Hudson R-P. Scott B. Fatherree J-W. MSc	
	28	Cichlidophiles		
	32	Livebearers unlimited		
	36	The planted tank		
	40	Import report		
	44	Adventures in aquascaping		
	48	Top of the food chain		
	52	The reefer		