



Index to Volume 9

monthly

May, 1974 – April, 1975

Issue	Pages	Issue	Pages
May	1-52	November	321-368
June	53-104	December	369-420
July	105-160	January	421-468
August	161-212	February	469-516
September	213-264	March	517-564
October	265-320	April	565-612

Coldwater Fish

A Look Back at 1974 447
Ameiurus nebulosus 428
 Best Buy — First or Second Class? 229
 Bumbleheads 452
 Breeding is for Those who can make Fish Grow 496
 Buying New Coldwater Stock 365
 Cold Conditions give Vigour 286
 Coldwater Scene 27, 81, 125, 183, 229, 286, 337, 385, 447, 496, 585
 Conditioning the Fish for Early Breeding 534
 First Foods for Fry 496
 Fish Breeders' Register 337
 Goldfish Varieties when Young 143
 Holiday Time and Your Coldwater Fish 125
 Japan's Society for Koi Keepers 448
 The Koin 592
 Judging and Improving the Strain 125
 June Work for the Breeder of Fancy Goldfish 81
 Koi-keeping in Japan 336
 National Goldfish Show Mooted 385
 North American Catfishes see *Ameiurus nebulosus*
 Providing Live Foods in Variety for Breeding Goldfish 27
 Selective Line-breeding to Establish a Strain 385
 Spawning Tanks 534

Standards for the Exhibitor and Breeder 183
 Sticklebacks 547
 The Tosakin 591
 Two New Goldfish Varieties from Japan 591
 Winter Check of Equipment 385
 Winter Safety in Pond and Fish House 337

Comments & Quotes

An Aim for 1975 421
 An Aquarium Anniversary 213
 The Aquarium Show '74 106, 161, 265
 Boosting the Hobby 161
 But How's It Done? 517
 Diary 1974 265
 East-West? 517
 Elemental Feeding 565
 Endangered Species 53
 Fish Central Heating 421
 Forthcoming Events 565
 Gold(Fare) Fish 422
 Imported Fishes 105
 Inherited Cannibalism 469
 Intensive Fish Culture 213
 Keeping the Variety 469
 Large-scale Fishkeeping 265
 Look to the Future 1
 Marines and Cyanide 105
 News from Es-Es 566
 Pure Water on Tap 566
 Scarce Tubifex 54
 Season's Advance 517
 Secrets of Eels 565
 Spawning Brushes 321
 Sun Heat is Free 105
 Tough Tilapia 1
 Unwanted Carp 53

Features

AquaGlossary 84, 190, 351, 545
 Coldwater Scene 27, 81, 125, 183, 229, 286, 337, 385, 447, 496, 534, 585
 Is it New to You? 180, 240, 581
 Marinist's Notebook 17, 62, 119, 172, 241, 289, 342, 387, 442, 478, 538, 580
 Personal Comment 21, 67, 138, 175, 233, 279, 333, 390, 437, 487, 543
 Readers' Queries Answered 29, 83, 139, 189, 224, 294, 346, 397, 451, 499, 546, 593
 What's New? 72, 235, 288, 339, 396, 480, 545

Letters

A Record? 222
 A Visit to Japan 2
 Any Unwanted Books? 2
 The Aquarium Show '74 427
 Association Unknown 162
 Barry AS Trophies 113
 Breeding Marines? 348
 Breeding Pencil Fish 376
 Cichlid Hybrids 61
 Cons and Feds 376, 477
 Did You Know . . . ? 273
 Endangered Fishes 54
 Every Reasonable Precaution 376
 Fancy Goldfish 61
 Fish Behaviour 422, 525, 573
 Fish for All 573
 Fish in Australian National Show 273

Future Fish Stocks 106
 Goldfish Associations 169, 266
 Green Ponds 273
 Low-Voltage Aerators 61
 Marine 'Cleaners' 162
 Marine Stockists 574
 Marinist's Experience 266
 Misprint 373
 Newcomer to Marines 477
 Old Periodicals 169
 Open to All 422
 Policy of Marine Association 573
 Ready Buyers 214
 Set a Thief . . . 214
 Show Pointings 162
 Size of Marine Tanks 266
 Spread of Disease 106
 Taking Up Killies 525
 Tour of Far Eastern Fish Farms 162
 Unusual Livebearer 348, 470
 Well Worth Joining 2
 Working for Your Fish 525

Marine Aquaria

Aggression in Marine Fishes 387
 Aquarium Maintenance and Breeding of the Sea Horse 329
 Cleaner Fish 62, 162, 231
 Costing a Marine Tank 580
Elacatinus oceanops 62
Hentiochus acuminatus 342
Hippocampus kuda 329
 How Much Light? 241
 How Often to Change Seawater? 119
Labroides dimidiatus 62
Lactinius oceanops 231
 Life Spans of Marine Fishes 479, 538
Macrobrachium lanchesteri 282
 Malayan Freshwater Prawns as Aquarium Inmates 281
 Marine Aquarium Cleaner Shrimp 482
 Marine Experience Hard Won! 78
 Marinist's Experiences 266
 Marinist's Notebook 17, 62, 119, 172, 241, 289, 342, 387, 442, 478, 538, 580
Monodactylus argenteus 442
 Neon Gobies on the Reef 231
 Newcomer to Marines 477
 Octopus in the Sea and Tank 121
 Puffer Fish 478
 Regal Tangs are Trouble-free 172
 Size of Marine Tanks 266
Stenopus hispidus 482

Miscellaneous

A Critical Look at Methods of Aquarium Heating by Electricity 237
 AKVARIET'S Oscar Award to Dr J. J. Scheel 113
 Breeding Fancy Guppies Starting with Fancy Guppies 16
 'Hybrid Vigour' and Guppies 73
 Sex Factors in Guppy Inheritance 120
 Sex Characteristics in Guppies 174
 One Mating — Several Broods 236
 Heredity 322
 Colour in Guppies 440
 The Female of the Species 532
 Caesar the Champion 114
 Colour in the Tank
 A Selection of Red Fishes 391
 Blue Fish Choice 543
 Development of a Fish
 Beneath the Egg Shell 575
 Development of Colour in Fishes 79
 Economics to be Made? 238
 Fish-catching in Thailand 76
 Fluorescent Lighting and the Hatching of Fish Eggs 223
 From Hobbyist to Farming the Glass Fish in Florida 11
 Fruit-Flies as Live Foods 69
 Jubilee of London Zoo's Aquarium 276
 Life-Spans of Aquarium Fishes 274
 Live Foods, Dried Foods and the Fresh Frozen Diet 349
 Naturalist's Guide to the Live-bearing Fishes 115
 Obituaries
 Mr J. M. King 566
 Dr L. E. Mawdesley-Thomas 274
 Mr R. G. Mealand 30
 PFM Equipment Report
 Custom-built Worm Mini-factory 127
 Popularity Stakes 533
 Powerful Air Pump for Fish House Use 438
 Practical Experiences with a Tropical Tank Outdoors 177
 Presentation of £300 Aquarium 439
 Prevention and Treatment of Diseases of Fishes 284

Ponds

Autumn Cleaning for the Garden Pond 286
 Diseases and Pests 578
 Green Ponds 273
 Holiday Time and Your Pond 125
 Lily Pests 594
 Novel Way to Prevent 'Green Water' 179
 Operation Save the Ponds (Village Pond Campaign) 19
 Pond Cleaning 536
 Pond Filter 296
 Pond Planting 585
 Ponds that Need Tidying 229
 Preventing Heron Thefts 214
 Servicing the Pond 390
 Thoughts on the Garden Pond 138
 Water-exchange System for Pond Clarity 447
 Winter Safety in Pond and Fish House 337

Tropical Fishes

Aequidens curviceps 139
Aequidens maronii 132
Aphyosemion bicittatum 63
Apistogramma wickleri 170
Aplocheilichthys penchaz var. *rubropunctatus* 226
Balantiocheilichthys melanopterus 84
Barbodes fasciatus 489
Barbus pentazona pentazona 382
Barbus schuberti 347
Betta splendens fry 224
Bunocephalus 15
Chalceus macrolepidotus 84
Chanda ranga 11
 Chocolate gourami see *Sphaerichthys osphromenoides*
Cichlasoma nigrofasciatum spilurum cross 61
Cichlasoma severum 23
Colisa chuna 347
Cynolebias bellotti 526
 Guppies 16, 73, 120, 174, 236, 440, 532
Hemihaplochromis philander dispersus 539
Herotilapia multispinosa 134
Hyphessobrycon flammeus 334
Hyphessobrycon georgetteae 588
Hyphessobrycon grieni 443
Julidochromis ornatus 18
 Keyhole cichlids see *Aequidens maronii*
Leporinus maculatus 452
Leptobarbus hoeveni 581

Livebearing fishes 115
Mesocricetus nigrans 347
 Reproductive breeding 31
Neonostomus beckfordi arripur-
 pensis 185
Neonostomus beckfordi beck-
 fordii 376
Oryzias latipes 375
Phenacogaster vittatus 29
Rasbora nigrofasciata 180
Rasbora catfish 191
Rasbora thomasi 290
 Small fish see *Neonostomus*
beckfordi *beckfordi*
Trichogaster espei 278
Trichostrophurus bimaculatus
 248, 297, 470
Trichostrophurus 240
Trichostrophurus multicaudatus
 274
Rasbora heteromorpha 128
Rasbora trilineata 221
 Star barb, Veil Variety 562
 Sunfish see *Rasbora triline-*
ata
 Sweetwater cichlid see *Cichlasoma*
marulium
Tanichthys oophromenoides
 434
Tanichthys albonubes 343
 White Cloud Mountain Minnow
 see *Tanichthys albonubes*

Water Plants

Algae in the Battle against
 Algae 393
 American Water Purslane see
Peplis diandra
Samolus eboracensis 136
Samolus valeriana 537

Cryptocoryne beckettii 181
 Diseases in Water Plants 85
Echinodorus macrophyllus 583
Echinodorus major 293
 Floating Plants
 Fairy Moss at the Surface
 537
Limnophila aquatica 388
Peplis diandra 450
Samolus valeriana 74
 Water Pimpernel see *Samolus*
valeriana

IDA AND THE BAHAMA
 ISLANDS (Zeiller) 481
 WATER PLANTS OF THE WORLD
 (Cook, Gut, Rix, Schneller
 & Seitz) 441
 WEST AFRICAN FRESHWATER
 FISH (Holden & Reed) 14
 YOUR ANGEL FISH (Hemis) 395
 Amazon Adventure Expedition
 545, 574
 Aqua-Joy Enclosed Motor Filter
 288
 Aquarium Systems Inc. Instant
 Ocean Algae Trace Element
 Solution 330
 Aquarium Systems Inc. Instant
 Ocean Model CS-30 Culture
 System 289
 Aquasphere 396
 Arcadia De-Luxe Control Unit
 235
 Double Glazing Kits 396
 Dynodo Motor Filter for Mar-
 ines 72
 Es-Es Control-O-Mat 72
 Gast Air Pump 436
 hw Marinemix 235
 IGM Grindal Worm Culture 339
 Jermyn Emergency Power Unit
 339
 Kristal All-glass Aquariums 72
 Metaframe Marine Aqua-
 scapers 72
 Oceanair Minor Pump 72
 Quip Interior Design and Light-
 ing 235
 Season Freeze-dried Aquarium
 Fish Foods 480
 Sora Fish Foods 72
 Tank Insulation Kits 397
 Tower Power Converter 480

What's New?

Books
 FISH NATIONAL GOLDFISH
 STANDARDS (Technical In-
 formation Booklet No. 4)
 14
 THE GUPPY: ITS LIFE CYCLE
 (White) 275
 THE LIVING SEASHORE (Clay-
 ton) 481
 MARINE AQUARIUMS IN THE RE-
 SEARCH LABORATORY (King
 & Spotte) 118
 A REVIEW OF EVIDENCE RELAT-
 ING TO THE USE AND
 EFFECTS OF SODIUM CYANIDE
 AND OTHER METHODS COM-
 MERCIALY EMPLOYED IN
 CORALFISH COLLECTING
 (Ireland & Robertson):
 BMAA Booklet no. 2 173
 SALT WATER AQUARIUMS: PRIN-
 CIPLE AND PRACTICE (King
 & Kelley) 545
 TROPICAL MARINE INVERTE-
 BRATES OF SOUTHERN FLO-

Club News

Abertay AS 550
 Achnacraig AS 144, 245
 Achnacraig & DAS 34, 300
 Alderton & DAS 142
 Amersham & DAS 454
 Anson AC 549
 Aquarium Show 74 113, 161,
 223, 275, 369, 398
 Aquarium Society of Victoria,
 Australia 222, 245, 518
 Aquarium and Terrarium
 Society of Queensland 85
 Association of Goldfish Breed-
 ers 35, 87, 143, 145, 196,
 242, 245, 302, 399
 Association of Midland Goldfish
 Keepers 143, 242, 454, 590
 Association of Southern Aqua-
 rium Societies 398

Barry AS 34, 144, 196, 301, 354
 Basford & DAS 245
 Basingstoke & DAS 31, 244, 299,
 501, 549, 597
 Bedworth A & PS 144
 Bethnal Green AS 142, 297, 332,
 399, 455, 599
 Billingham AS 88
 Bimbi Aquatic & Study Society
 456
 Bishops Cleeve AS 298, 301
 Bournemouth AS 34, 87, 143,
 196, 245, 298, 354, 454, 502,
 547, 598
 Bracknell AS 33, 245, 351
 Bradford & DAS 34, 88, 196,
 245, 301, 354, 400, 456, 501
 Bridlington & DAS 191
 Brighton & Southern AS 32, 34,
 87, 195, 302, 400, 502

Bristol AS 88, 145, 191, 245, 453,
 599
 Bristol TFC 144, 309
 British Aquarist Study Society
 (BASS) 298, 304
 British Aquarists' Festival 340
 British Cichlid Association 193,
 400, 597
 BCA Nottingham Area 145
 British Ichthyological Society
 31, 397
 British Koi-Keepers' Society 88,
 195, 454
 British Livebearer Association
 392
 British Marine Aquarists' Asso-
 ciation 196, 400, 453
 BMAA Cheshire & North Wales
 Group 35
 Buckland & Milber Community
 Association 32

- Buxton & DAS 87
 Cardiff AS 397
 Catfish Association (Great Britain) 32, 34, 548
 Characin Study Society 140, 399, 537
 Corby & DAS 193
 Coventry P & AS 35, 88, 140, 244, 354, 437, 503, 548, 599
 Croydon AS 35, 144
 Darlaston & DAS 144
 Dates for Your Diary 35, 88, 146, 196, 246, 302, 354, 400, 457, 504, 550, 599
 Derby AS 142, 531
 Didcot AS 245, 351
 Dorchester & DAS 34, 86, 87, 244, 301, 354, 455, 597
 Dunlop AKS 598
 Ealing & DAS 547
 East Dulwich AS 599
 East London A & PA 86, 297, 502, 547, 598
 Ely & DAS 35, 143
 Erith & DAS 245
 Essex, North & East London AS 500
 Fancy Guppy Association 194, 196, 242
 FGA Birmingham Section 34, 87, 354
 FGA Edmonton Section 196
 FGA Manchester Section 145, 456
 Federation of British Aquatic Societies 33, 86, 141, 192, 243, 297, 503, 595
 Federation of Northern Aquarium Societies 195, 399
 Fur, Feather & Aquaria Show 354, 500
 Gloucester AS 194, 400, 457, 502, 549, 598
 Goldfish Society of Great Britain 34, 87, 142, 194, 301, 399, 453, 599
 Great Yarmouth & DAS 34
 Grimshy & Cleethorpes AS 244, 353
 Haden AS see Halesowen AS
 Halesowen AS 502
 Hampstead & DAS 245
 Hastings & St Leonards AS 31, 88, 141, 196, 300, 353, 398, 503
 Havant & DAS 243
 The Hendon Convention 301, 518
 High Wycombe AS 83, 299, 502, 597
 Horsforth & DAS 32, 145, 594
 Hounslow & DAS 352, 457, 549
 Hucknall & Bulwell AS 196
 Ilford & DA & PS 87, 501, 548, 595
 Isle of Wight AS 302
 Killingworth AS 352, 502
 Kingston & DAS 195
 Leamington & DAS 34, 88, 196, 354, 457
 Lewisham & DAS 196
 Leytonstone & Stratford DAS 193
 Lincoln & DAS 88, 244, 245, 354, 502
 Littlehampton & Bognor AS 87
 Llandudno & DAS 599
 Llanelwyt Major AS 242
 Loughborough & DAS 192, 245, 398, 456
 Lowestoft AS 598
 Lytham AS 298
 Marlow AC 598
 Meetings & Changes of Officers 2, 84, 137, 169, 246, 302, 352, 384, 427, 499, 531, 574
 Mid-Cornwall 549
 Middleton & DAS 242
 Midland Aquarium & Pool Society 145
 Midland Aquatic Festival 145, 309
 Midland Cichlid Association 191
 Mid-Sussex AS 145, 196, 245, 400, 500, 596
 Nailsea & DAS 88, 145, 598
 New Forest AS 33, 87, 194, 245, 502, 598
 Newbury & DAS 34, 454, 456
 Newcastle Guppy & Livebearer Society 142, 236, 397
 Newport AS 31, 299
 Northwich & DAS 35, 192, 502
 Ostram AS 143
 Peterborough FA 88, 144, 243, 456
 Plymouth AS 87
 Port Talbot AS 142
 Portsmouth AS 34, 191, 398, 549
 Quinnaville AS 549
 Reading AS 245, 351
 Reigate & Redhill AS 548, 550
 Roehampton AS 354
 Romford & Becontree AS 298
 Runnymede AS 302, 398
 Sandgrounders' AS 86
 Scunthorpe & DAS 302, 548
 Severnside AS 353
 Sittingbourne & DAS 140, 145, 196, 245, 351
 Slough & DAS 196, 549, 599
 South Park Aquatic (Study) Society 87, 145, 196, 245, 302, 456
 South Shields AS 244
 Southampton AS 35
 Southend, Leigh & DAS 296, 502
 Southern Independent AS 192
 Stockton-on-Tees AS 141
 Sudbury AS 193, 598
 Suffolk A & PA 34, 87, 301, 398, 456, 550, 598
 Swillington AS 302, 548
 Torbay AS 88, 245, 353
 Tottenham & DAS 145
 Tyne-Tees Area Association 22, 34, 453
 Walthamstow & DAS 456
 Warrington AS 144
 Wednesbury & DAS 354
 Welwyn Garden City AS 31, 83
 Wessex AS 599
 Weymouth AS 32, 87, 196, 242, 298, 400, 598
 Workshop A & ZS 244, 352
 Wrexham TFS 145
 Yeovil & DAS 455, 502

Authors

- ARPER, 21, 67, 138, 175, 233, 279, 333, 390, 437, 487, 543, 578
 BARRIE, J. 134
 CAMPBELL, F. 16, 73, 120, 174, 236, 275, 322, 340, 440, 532
 COLES, P. W. 177
 EVANS, A. 14, 441, 481
 FRANK, S. 489
 GODFREY, P. M. 434
 HANSEN, J. 132
 HANSEN, P. 132
 HARRISON, C. 179, 237, 349, 393, 436
 HOBBSMAN, J. J. 115
 McCAULEY, R. W. 223
 MITCHELL, D. 18
 ORME, F. W. 14, 27, 81, 125, 183, 229, 286, 337, 385, 447, 496, 534, 585
 PINNS, R. 17, 62, 118, 119, 172, 173, 241, 289, 342, 369, 387, 393, 442, 478, 481, 528, 580
 RATAJ, K. 74, 136, 181, 293, 583
 SELLOCK, I. C. 79, 85, 575
 SHAW, R. 78
 STRAUGHAN, R. P. L. 231
 THIEFAINE, J. C. 428
 TOMMY, W. A. 15, 69, 121, 179, 226, 281, 329, 388, 450, 482, 526, 537
 TONGSOOK, Ladda 76
 WIEB, R. A. 223
 WISSON, A. D. 11
 WHITTINGTON, R. 591
 ZUKAL, R. 23, 63, 128, 185, 221, 290, 343, 382, 443, 489, 529, 582, 588

