

		<h1>Index to Volume 5</h1>	
<p>monthly</p> <h2>May, 1970 — April, 1971</h2>			
<i>Issue</i>	<i>Pages</i>	<i>Issue</i>	<i>Pages</i>
May	1-52	November	277-320
June	53-104	December	321-368
July	105-148	January	369-408
August	149-192	February	409-448
September	193-232	March	449-492
October	233-276	April	493-536

Club News

- Accrington & D. A.S. 85, 477
 Aireborough & D. A.S. 214, 217, 434
 Alfreton & D. A.S. 215
 Amesbury & D. A.S. 85, 131
 Apex A.S. 339
 Aquarium Society of Victoria (Australia) 217, 302
 Atherstone A.S. 31, 86
 Badge of the Month 31, 87, 521
 Barnsley T.F.S. 31, 85
 Basingstoke A.S. 32, 132, 174, 257, 339, 396, 478
 Bedworth A. & P.S. 302, 350, 397, 477
 Belle Vue A.S. 83, 216, 395, 394, 477
 Bethnal Green A.S. 85, 132, 350, 437
 Beuhill A.S. 350
 Billericay A.S. 32, 339
 Billingham A.S. 477
 Bishops Cleeve A.S. 85, 131, 175, 214, 350, 397
 Blackpool & Fylde A.S. 301
 Bognor A.S. 84
 Boreham Wood A.S. 437
 Boston A.S. 128
 Bournemouth A.S. 31
 Bracknell A.S. 31, 318, 348, 437
 Bedford & D. A.S. 32, 132, 175, 260, 306, 350, 394, 476
 Brent A.S. 31, 261
 Brentwood A.S. 30
 Bighton & Southern A.S. 30, 31, 84, 216, 302, 347, 436
 Bristol A.S. 349, 478
 Bristol T.F.C. 172, 350, 437
 British Ichthyological Society 349
 British Killifish Association 304, 340, 422
 British Koi Keepers' Society 210
 British Marine A.S. 303
 Burton & D. A.S. 85
 Bury & D. A.S. 129
 Cambridge & D. A.S. 30, 174
 Cardiff A.S. 214, 216, 217
 Carshalton & D. A.S. 85, 131, 174, 216, 305, 349
 Catford A.S. 83, 86
 Chester & D. A.S. 85
 Coventry P. & A.S. 29, 86, 130, 172, 395, 396, 437
 Croydon A.S. 128
 Derby Regent A.S. 130
 Didcot & D. A.S. 396
 Dukeries A.S. 131
 Ealing & D. A.S. 86, 87, 131, 172, 257, 305, 339, 347, 395, 436, 520
 East Dulwich A.S. 350
 East London A. & P.A. 32, 339
 Ellesmere Port T.F.S. 28, 30
 Fancy Guppy Association 84, 305, 349
 Federation of British Aquatic Societies 172, 304, 350, 438, 519
 Federation of Scottish Aquarist Societies 477
 F.G.A. Edmonton Section 128, 348
 F.G.A. South London Section 339
 F.G.A. West London Section 174
 F.G.B.S. East Midlands Section 31, 86, 130, 259, 350
 F.G.B.S. Eastern Counties Section 86, 259
 Fur, Feather & Aquaria Show 436
 Glossop A.S. 303
 Goldfish Society of Great Britain 86, 174, 261, 340, 346, 349, 396, 477
 Guest, Keen & Nettlefold A.S. 85, 132
 Guildford & D. A.C. 132, 174, 306, 350, 397
 Halifax A.S. 394
 Hamshire Marine A.S. 303
 Hampstead A.S. 31, 306, 339, 350
 Harrogate & D. A.S. 31, 132, 175, 261
 Hastings & St. Leonards A.S. 132, 172, 261, 302, 350, 477
 Havant & D. A.S. 477
 Hemel Hempstead A.S. 174, 216, 261, 305, 339, 350, 397, 435, 437
 Hendon & D. A.S. 28, 301, 339
 Hinckley & D. A.S. 30, 131
 Hornsey & D. A.S. 305
 Horsforth A.S. 30, 86, 304, 435
 Houghton & D. A.S. 435
 Hounslow & D. A.S. 31, 396, 435, 476
 Hoylake A.S. 28, 30
 Huddersfield T.F.S. 29
 Hyde A.S. 32, 173
 Ilford & D. A. & P.S. 131, 260, 350, 476
 Independent A.S. 131, 217, 306, 339
 Isle of Wight A.S. 132, 133
 Keighley A.S. 28, 30, 85
 Kings Lynn & D. A.S. 436, 521
 Kingston & D. A.S. 31
 Leamington & D. A.S. 86, 132, 175, 261, 306, 350, 394, 478
 Leeds & D. A.S. 85
 Leigh A.S. 305
 Lincoln & D. A.S. 32, 306, 350
 Littlehampton A.S. 84, 349
 Llantwit Major A.S. 31, 173, 174, 215
 Long Beach A.S. (U.S.A.) 259
 Loughborough & D. A.S. 172
 Loyne A.S. 31
 Maidstone A.S. 477
 Medway A.S. 30, 397
 Meetings & Changes of Officers 20, 82, 114, 176, 217, 260, 302, 330, 370, 417, 478, 521

Merseyside A.S. 86, 173, 260, 306, 394
 Mid-Herts A.S. 28, 30
 Midland Aquarist League 397
 Midland Aquarium & Pool Society 85, 128, 258
 Midland Association of Aquarist Societies 132
 Mid-Sussex A.S. 30, 84, 86, 130, 132, 175, 214, 393, 349, 394, 437, 520
 Nelson A.S. 84
 New Forest A.S. 87, 132, 174, 261, 350
 Nomad Aquarists Club 261
 North Kent A.S. 257, 350
 North Staffs. A.S. 259
 Northwich & D. A.S. 131, 172, 397
 Norwich & D. A.S. 348
 Nottingham & D. A.S. 31, 32, 86, 132, 175, 217, 305, 306, 397, 437
 Nuneaton A. & P.S. 350
 Oklahoma City A.S. (U.S.A.) 396
 Oldham & D. A.S. 132, 347
 Oram A.S. 128
 Porthcawl A.S. 477
 Portsmouth A.S. 31, 84, 175, 259, 339
 Rainworth A.S. 397
 Reading A.S. 84
 Reigate & Redhill A.S. 348, 397
 Riverside A.S. 86, 395
 Roehampton A.S. 436
 Romford & Beacontree A.S. 30
 Rotherham & D. A.S. 29, 477
 Runnymede A.S. 86, 339, 395
 San Francisco A.S. (U.S.A.) 478
 Scarborough & D. A.S. 304
 Sheffield & D. A.S. 305
 Sherwood A.S. 395
 Sittingbourne A.S. 397
 Smethwick & D. A.S. 217
 South Derbyshire & D. A.S. 396, 436
 Southampton A.S. 85, 131, 175, 261, 350
 Southend, Leigh & D. A.S. 32, 86, 130, 338, 396, 476
 Stockton-On-Tees A.S. 129
 Store A.S. 86
 Stretford & D. A.S. 28, 83
 Stroud & D. A.S. 131
 Swillington A.S. 30, 31, 87, 215, 437
 Swindon & D. A.S. 350
 Tamworth A.S. 86
 Taunton A.S. 132
 Three Counties Group 214, 437
 Thurrock A.S. 32, 85, 129, 261
 Tonbridge & D. A.S. 86, 131, 174, 259, 350, 437
 Top Ten A.S. 129, 131
 Torbay A.S. 132, 306, 347, 521
 Tottenham A.S. 339, 478
 Trowbridge & D. A.S. 128
 Tynemouth Priory F.C. 435
 Uxbridge & D. A.S. 31, 128, 339, 396
 Vauxhall Motors A.S. 84, 132, 175, 339

Walthamstow & D. A.S. 131, 259, 436
 Wednesbury & D. A.S. 86
 West Cumberland A.C. 397
 Weymouth & D. A.S. 85, 131, 175, 216, 302, 396
 Whitchurch & D. A.S. 216
 Winchester & D. A.S. 342
 Woking A.S. 397, 521
 Wolverhampton A.S. 437
 Yate & D. A.S. 31, 86, 131, 175, 217, 261, 349, 397, 437
 Yeovil & D. A.S. 28, 86, 132, 174, 216, 261, 303, 350, 396, 437, 477
 York & D. A.S. 29, 84, 175, 217, 397, 437

The Power Game 936
 Troublesome Vapours 493
 Water Lettuce Crop 53
 When is a Fish? 449

Features

Aqua-tip 15, 66
 Breeder's Notebook 207, 253, 431
 Coldwater Scene 153, 419, 465
 Guppy Types 70, 158, 213, 248, 293, 344, 425, 464, 506
 Guppy World 21, 69, 121, 157, 202, 246, 293, 343, 390, 418, 464, 518
 How? 30, 74, 261
 Marine Forum 22, 421
 Personal Comment 19, 67, 122, 165, 209, 247, 288, 331, 379, 423, 459
 Quick Tips 80, 164
 Readers' Queries Answered 73, 159, 210, 256, 289, 334, 389, 459, 511
 Transatlantic Topics 12, 62, 111, 199, 240, 284, 341, 381, 426, 460, 501

Coldwater Fish

A Logical Approach to Standards for Goldfish 385
 Breeding Goldfish in Tanks 465
 Building Up a Hardy Strain 419
 Goldfish Alarm State 193
 The Poze Relation 345

Comments and Quotes

A Showing Problem 409
 Algae and Two Veg. 1
 Best Not to Mix 321
 Diploma-winning Aquarists 277
 Eight Years On 105
 Emergency Measures 370
 Fascination of Fishkeeping 409
 Fireman Save My Fish 233
 Fish Disease and Man 1
 'Fish Tank Finger' 54
 Garden Ponds as Havens 53
 Goldfish Alarm State 193
 Lethal Brine Shrimp 277
 Live Food Feeding 233
 London Societies—there's a Show on Your Doorstep! 193
 Post Script 493
 Protecting Britain's Ponds 149
 Retiring Aquarist 277
 Sex Change to Order 149
 Show Bench Morals 54
 Tank Frame Coatings 1
 Tax on Foods 370
 Technical Inaccuracies 105
 The Aquarium Show '70 321
 The Aquarium Show '71 493
 The Cold Front 449
 A Danger 234
 A Gift to be Maintained 61
 A Show in the North 375
 Accurate Temperatures 278
 Air the Hard Way 450
 An Explanation 283
 Aqua TV 450
 Arpee's 3-footer 106
 Bare v. Furnished 61
 Beginner with Marines 450
 Better Advice Wanted 106
 British Cichlid Association 322
 Cryptocoryne Disease 106, 150
 Demand Exists for Colour Classes 410
 Emergency Measures 450
 First Clear the Decks 322
 Fly Diet 106
 Gold Price Down, Seawater Up 430
 Guppy Colour Classes 494
 Identification Please 494
 Inflated Claims 199
 Information Requested 410
 Insect Diet 150
 Keeping Tubifex 283
 Live Foods 322
 Live Foods Not Sold 234
 Live Foods 'Tame 'em 234

Letters

Long Fin Revulsion 239
 Marine Clinics 450
 Marine Society 239
 Mr A. G. Jessopp - Tributes 194
 National Standards for Goldfish 2
 New Use for Sealant 322
 No Live Foods 150
 No 'Live Foods' is a Favour, I Say!
 234
 No Spares 450
 Not to be Recommended 283
 Ode Wins Through 54
 Proud of it Now 150
 Show Hopper 106
 Show Jars 494
 Show the Rules! 494
 Spiny Eels 278, 375
 Spreading the Light 410
 Surplus Stock 61
 Thank You 199
 Thanks to the Midlands 239
 The Aquarium Show '70 375
 The Capital's Show 410, 501
 Too Much Bag Time 239
 Too Much Fish Talk 106
 Tube Travel 239
 Water Plants and Algae 494
 What is Exotic? 2
 When Guppies Have to Go 450
 Who Speaks for the U.K.? 278
 Young Marinist Replies 278

Marine Aquaria

An Ideal Marine Tank Fish 421
 Breeding Behaviour of Seahorses 116
 Going Brackish 75, 115, 167, 206,
 432
 How to Have High and Low Tides in
 Tanks 22
 Making Your Choice of Marines 329
 One Man's Marine Aquarium 251,
 300, 329, 384, 422, 473
 Pipe Fish 255
Pterois volitans 421
 Sea Water pH 23
 Starting with Sea Water 515
 Take One Seahorse 517
 Tropical Marines at Liverpool 434

Miscellaneous

The Aquarium Show '70 337
 A Guppy Breeder in California 376
 Brackish Saga 75, 115, 167, 206, 432

Breeding Discus in Kenya 9
 Breeding Wild-caught Killifish from
 Ghana 63
 Custom-bui Louge Aqm 3 uariunlt
 Don't Misuse Your Live Foods 393
 Effective Lighting for Decorative
 Aquaria 335
 Hints and Tips with Surplus Plastics
 386, 433, 468
 Historic House of Fishes 71
 History of a Killifish 155
 Make a Note of It! 502
 Objectives for the Present-day Fish
 Breeder 420
 Organisation of Show Classes 474
 'Our Compliments to the Chef' 467
 Pet Fish Monthly Visits
 Mr & Mrs R. E. Dudley at Home
 123
 Mr R. Forder 285
 Mr A. Villiers 467
 Photographing Aquarium Fishes 294
 Planning a Breeding Programme 458
 Pond Life and Live Foods 119
 Salamanders in the Aquarium 11
 Snails, For and Against 19
 What are Freeze-Dried Foods? 513
 When Diseases Strike 201
 When Fins are Injured 470

Ponds

A Garden Pool in a Couple of Hours
 65
 A Pool for the Garden 508
 For the Pond Shallows 510
 Garden Pool Embellishments 112
 Plants for the Garden Pool 113
 The Best Teim for Pond Cleaning
 203
 Which Fishes for the Garden Pool?
 153

Tropical Fish

African catfishes see *Amphiliidae*
Amphiliidae 242
Aphyocharax rubripinnis 459
 Aquarium catfishes 125, 242
Barbus conchoniis 387
Barbus oligolepis 461
Belonesox belizanus 169
 Black widow see *Gymnocorymbus*
ternetzi
 Bloodfins see *Aphyocharax rubripinnis*

Brachyogobius xanthozonus 115
Chaca chaca 125
Channa striatus 382
 Chequer barbs see *Barbus oligolepis*
Cichlasoma festivum 211, 288
 Congo dwarf cichlid see *Nannochromis nudiceps*
Copeina guttata 431
Corydoras paleatus 77
 Cosby gourami see *Trichogaster*
trichopterus sumatranus var.
 Cosby
Danio malabaricus 253
 Discus 9, 290
Epiplatys bifasciatus 63
 Festive cichlid see *Cichlasoma festivum*
 Flame fish see *Hyphessobrycon flammeus* 165
Fundulosoma thierryi 63
 Giant danio see *Danio malabaricus*
 Golden dwarf cichlid see *Nannacara anomala*
 Golden tetra see *Hemigrammus armstrongi*
 Guppies 376
Gymnocorymbus ternetzi 126
Helostoma rudolphi 428
Helostoma temminckii 428
Hemigrammus armstrongi 122
Horaichthys setnai 241
 Humpheads see *Steatochromis casuaris*
Hyphessobrycon flammeus 165
Hyphessobrycon griemi 165
Hyphessobrycon rosaceus 331
Julidochromis 457
 Kissing gouramis see *Helostoma temminckii*
 Knife fish see *Xenomystus nigri*
Labeo bicolor 423
 Lake Malawi cichlids 249
 Lake Tanganyika cichlids 457
 Leeri gourami see *Trichogaster leeri*
Macrogathus aculeatus 160
Monodactylus sebae 115
 Mottled catfish see *Corydoras paleatus*
Mystus tengera 392
Nannacara anomala 25
Nannochromis nudiceps 297
 Opaline gourami see *Trichogaster trichopterus sumatranus* var. Cosby
 Pike top minnows see *Belonesox belizanus*
 Red-spotted copeina see *Copeina guttata*
 Red-tailed black shark see *Labeo bicolor*
 Rhino-horn goby 433
 Rift Valley cichlids 249
Rivulus cylindraceus 415
Rivulus holmiae 243
Roloffia calabarica 155
 Rosy barb see *Barbus conchoniis*
 Rosy Tetra see *Hyphessobrycon rosaceus*

Scatophagus argus 115
 Snakeheads 382
 Spiny eel *see* *Macroganathus aculeatus*
Stenoceraemus camarinus 332, 472
 Target fish *see* *Therapon jarbua*
Therapon jarbua 432
Trichogaster leeri 207
Trichogaster trichopterus somatranus
 var. *Cosby* 503
Xenomystus nigri 200

Water Plants

Anubias 162
Cabomba aquatica 18
 Cryptocoryne 'disease' 379
Echinodorus 16
Hydrodictyon 427
 Plant Food Formula 287
 Rare Aquarium Plants 162
 Requirements of Water Plants for
 Aquarium Growth 205
 Sources of Trouble with Algae 427
Tostina fluviatilis 17
Utricularia 17
 Water Plants in South America 16,
 205

What's New?

Algarde Push Button Control Tonge
 516
 Algarde Tubifex Feeder 516
 Aquadome 81
 Aquarium Decor Panels 82
 Aquarium Kits 82
 Books
 AQUARIA 73
 ASPECTS OF FISH PARASITOLOGY 348
 FISHES OF THE WORLD 430
 HOW TO ENJOY BEING AN AQUARIST
 252
 METHODS FOR ASSESSMENT OF FISH
 PRODUCTION IN FRESH WATER 348
 METHODS FOR CHEMICAL ANALYSIS
 OF FRESH WATERS 348
 PELHAM MANUAL FOR FISH TANK
 OWNERS 171
 THE BOOK OF THE GARDEN POND 72
 THE COMPLETE AQUARIST'S GUIDE TO
 FRESHWATER TROPICAL FISHES
 345
 TROPICAL FRESHWATER AQUARIA 430

Crystallising Lacquer 168
 Eclipse Spray Heads 168
 Fantasy Koi Pellets 82
 Gobey Pond Automatic Fish Feeder
 15
 Grice & Young Rearing Tanks 516
 Inter-Pet Maxamatic 380
 Inter-Pet Stainless Steel Aquaria 81
 K.G. Multi-Con 380
 King British Stainless Steel Aquaria
 82
 Major Eheim 82
 Micro Eels 15
 Non-Rusting Tanks 82
 Peterana 3-Stage Power Filter 516
 Phillips Maxi-flakes 82
 Phillips Multifreeze 342
 Powerstream Conversion Unit 82
 Rosewood Freeze-Dried Foods 82
 Sea Fans & Sea Trees 252
 Sheerwater Aquarium 168
 Tetra Tips 82
 Tosca Flakes 82
 Trophy All-glass Aquaria 81
 Wardleyburgers 252
 Wonder Water 75

Authors

ALEXANDER, W. 201
 ARPER, I. 67, 122, 165, 209, 247, 288,
 331, 379, 423, 459
 ATCHISON, G. L. 9
 BLOWERS, P. 63
 BOUD, P. G. 335
 CLUSE, M. D. 385
 COLES, F. W. 420, 458
 DELINGPOLE, M. H. 376
 DODGE, T. L. 345
 ELIAS, J. 160, 200, 254, 392
 ELLISON, J. 513
 ESSON, R. D. 474
 EVANS, A. 71, 429
 FORBES, R. 427
 FORSTER, S. 241, 457
 FURNER, B. 64, 112, 153, 203
 GATES, J. 510
 GILBERT, H. J. 386, 433, 468
 GODFREY, D. W. 290
 HARRISON, C. 66, 123, 285, 467
 HICKLEY, P. 22
 HOWES, B. 428
 JENNINGS, G. 23
 KELLY, J. 12, 62, 70, 111, 158, 199,
 213, 240, 248, 249, 284, 291,
 337, 341, 344, 381, 425, 426,
 460, 466, 501
 LEE, J. 11, 119, 207, 253, 393, 431
 LUCKY, Z. 470
 MERCIER, R. 15
 MOOR, M. 474
 ORME, F. W. 439, 465
 PINNS, R. S. B. 73, 75, 115, 167, 173,
 206, 433, 502
 PROBST, K. 116
 REYNOLDS, D. 13
 ROCHE, M. E. 421
 ROLOFF, E. 155
 SADLER, V. 162
 SCHULZE, J. 16, 205
 SMALLIE, D. 508
 TURNBULL, R. 251, 300, 329, 384,
 422, 473
 UNWIN, P. 21, 69, 121, 157, 202, 246,
 293, 343, 391, 418, 454, 515
 WALKER, B. 125, 242, 382, 512
 WEATHERLEY, T. F. 517
 WITHERS, C. 294
 ZUKAL, R. 25, 77, 125, 169, 211, 243,
 297, 322, 387, 415, 461, 503