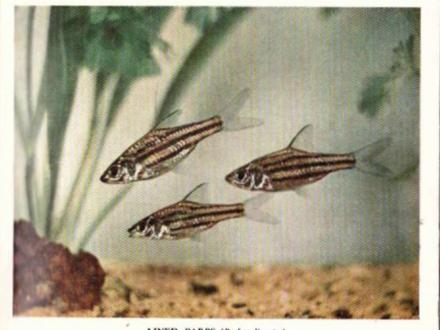


# and Water Life



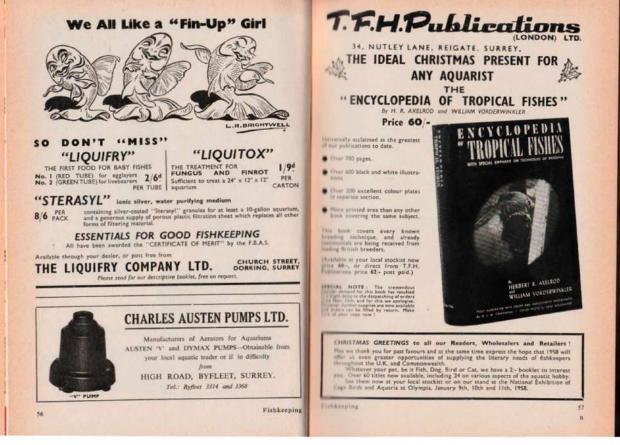
LINED BARBS (Barbus lineatus)

### PRINCIPAL CONTENTS

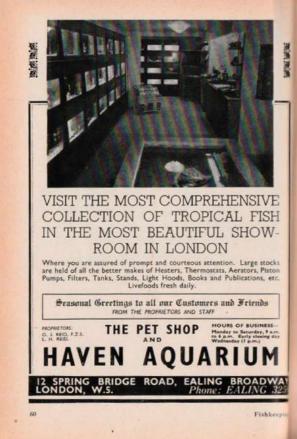
Pop Aquarium Barbs Setting up a Home Aquarium Rive Black Angel Fish

Fishes New to Britain **Metallic Fantails Ridding Water of Chlorine** 









VOL. 13 NO. 2 NEW ISSUE DECEMBER 1957

Octopus Bred . Automatic Fishbouse

rement. For the first time in a quarium the Octopus has ung were produced in large Aquatium of London Zoo: ided with the first British ly Society's conference on the young octopuses looked vonference on ung octopuses looked eas (*Daphnia*), r about a week until vast quantities abhe young octopuses to ter-ficas (Daphnia), ed for about a week i ton in vast quantities w lible to provide in heless, Dr. Gwynne Ve-justifiably proud of

### Car

es see stars. Aquariums will be on one of the special features for the of Barracic Bill at the Empire, Square, on December 11, last for them will be Mr. A. Rous of prough Fisheries.

### Prito

hobbyist. Dr. F. N. Ghadially aith of reducing scientific jargor day language of the aquarist series, entitled Tropical Refleca complementary comments a different was started the beginning of last year and willustrated perfectly his factical side of our hobby. began his fishkeeping eight resent he is busy planning new fishbouse which will

Pickkerping

FISHKEEPING and Water Life

IN THE SWIM IN Automatic Fishhours Cryptocoryne Identification F.B.A.S. Secretary Retires Show Ginmick. Producing Liverool

Dr. Ghadially is professionally a lecturer in pathology at the University of Sheffield. In the hobby he is President of Sheffield A.S.



tant solv out the addition of the additional operation operation of the additional operation operati

Published monthly by Fishkeeping and Water Life, Dorset House, Stamford Street, London, S.E.I. Telephone: Waterloo 3333. Telegrams Poutanbir, Scotis London, Annual Subscription Horne, 11.80. Oversees, £1.7.0. U.S.A. and Canada, 4500.

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Volume Alignment. Some readers like to bind their, copies of our journal and some exploration of the volume numbering would help them. Volume 12 consists of free issues (February-October 1957) and Volume 13 will have 14 copies (November 1957-December 1988). Thereafter the volumes will begin with the first issue of each year.

### Top and

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out these plants which are powely to grow but difficult to distinguish. A few species can be compared quite easily. With others we have the output of the volume of the volume state of the volume to make sure few mothers that afternoon pay of the volume randers like to make sure few mothers that afternoon pay without paysing round the fish show pargumany. Corbber 1957) and Yolume 13 with contribution.

# FISHKEEPING AND WATER LIFE

Wishes Its reduces A HAPPY CHRISTMAS

• Liefeoda medium. The open and solf-culture medium required for Dwarf White (Grindal) Worms is not always easy to provide and the person who introduced these worms to the aquarium world, Mrs. Morten Grindal, of place of peat mosts and finds it cleaner. The dwarf worms thrive in it.

### To at

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Fishkeeping

### **ELUSIVE BLACK ANGEL FISH**



Early sorting of the broods appears to be the secret of breeding success

### by H. C. PARSONS

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63

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### Nannostomus espei

The Continental aguarist was fortunate in this in 1955. Here, in Regidend, it has provide an appearance, it England, it has provide an appearance, it England, it has provide the so-called "Pencil Fish" and the netting and early appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and appearance of the so-called "Pencil Fish" and the netting and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netting appearance of the so-called "Pencil Fish" and the netiting appearance of the so-called "Pencil Fish" and the netiting appearance of the so-called "Pencil Fish" appearance of the so-called "Pencil Fish" appearance of the so-called "Pencil Fish" appearance of the so-called the so-cal

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I restourne beckettil grown in a marshy environ-and disserving at the Laboratory for Plant restourned Geography at Wageningen. Drus-mandaeed by courtery of Hollandia, Baura.

Flinkesping

### Fishkeeping

Fishkeeping



## o weeks (depending on the te ellow inner surface of the li-ing dark collar or throat

by DR. H. C. D. de WIT

validle, *C. beckettili*, if not flowering, can be reco, nicde by the bronze-green hue on the upper surface of the leaf. Both submerged an emerged leaves often show some dark vice oblique streaks (see next page). The lear margin is somewhat way. The lower surface of the leaf is a striking brown-reed, usually with a distingt purper imper. The data of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a striking brown-reed, usually with a streak of the leaf is a streak of the leaf is

lean. a considerable es grown below and a on a very poor soil small light gree madily



Adult plant of C. becketti grown in an aquarium. Compare the leaf shape with that in the upper illustration where the plant has verial leaves.

Plants which develop under water can be cultivated above water but will probably lose their leaves. The same happens if plants grown above water are submerged. Do not worry about these dying leaves. The thizome should

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**CRYPTOCORYNE BECKETTII** 



Flowering Cityptocotyne bockettii in marshy com-ditions at Wageningen. Photograph by Laboratory characteristic dark streaks present on it. The marks for Plant Taxonony and Georgenship, at Wageningen. are degr violet and are referred to on page 63.

be left alone and soon sufficient new leave will appear and remain. Mr. T. W. H. Beckett discovered the species in Ceylon and it seems to occur on that island only. Mr. C. K. H. Thwales, a director of *C. beckettil* but when Mr. T. Fetch, a botanits working arden at Peradenyia (1857-1880), who received Beckett's specimens, proposed, the species after its finder and this happ pend when H. Trimen, Mr. Successfor



### **FISHES NEW TO BRITAIN**

Variability of Veiltailed Angels opens up interesting breeding possibilities

### by P. MILLET

Fishkeeping

scalare, eimekei, or even altam is equally amportant because the fish do show an inverdinary growth of finnage compared in the normal Angel Fish. They are not veiltails in the sense that altaf fan single. This fin, however, is very reable in the Veiltailed Angels, for some enduals show forked tails, some truncate is, and others (the majority) double emargin-table.

and others (the majority) double emirgin-link is variability that makes the fish enting, for if we cast our minds back some and remember what has been done with Cuppy, we may well wonder what may be to the Angel ght. Block Angel, and augustis tank, we species starts appring, whether in or under minical conditions, other is entitle and the species can be end. Prices are availing the aquarity nothing of the telescopic-yeed, double-welless? Angel i

Variations Angel: The latter fish is in specific and the specific and the specific and the Black Angel. The latter fish is, in specificace, rather visious. The Velitali to be more of a friendly fish. It stays, and if it can be improved, cular as it is at present, it is possible in 10 or 15 years' time we shall have it as many show classes for the Angel as we for the Guppy today. Inking of black fishes, and going through



I Voltailed Angel Fish showing the extreme industryment of its tail, dorsal, and anal finnage. Photograph by courtesy of Shirley Aquatics Ltd.

Fishkeeping

recent files of this periodical, the elusive Black Guppy comes to mind. The half-black Guppy mentioned in October 1956 by that well known breeder, W. G. Phillips, is now reaching this country from its originator in Frankfurt This fish is another example of pattent breeding it is far from being an alb-black fish, any far sighted Guppy enthusiast should be able to vaciety.

### Another Nandid

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### Cleaning the Tank

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1. Cleaning the  $24 \times 15 \times 12$  in: aquarium with a nylow pot scourer kept especially for this purpose. 2. Washing the aquarium gravel. Whatever type of planting medium is used, it must be thoroughly cleaned to avoid clouding the water in the set-up tank.

lighting, the lengths of flex tucked well away if the plug is not near at hand. The next task is to prepare the compost (grave) to go into the tank. A suitable aquarium grade is available at most pet stores and this should be well washed in running water until the water remains clear. Only a small amount of gravel is washed at a time. Should you have collected natural sand from a river or beach it is wise to boil it first in a metal bucket and then allow to cool befor rinsing it well. You will find that it muy take a grat deal of washing but this must be donn thoroughly and just a small amount should be washed over and over again until the wall where be crystal clear unless the sand is clean.

Fishkeeping

### SETTING UP



h Released rockwork (with no sharp edges) is theread with a scrubbing brush, using hot water. A The cocks are placed in position and bedded into the against gravel to give a natural impression. A tentioning water from a backet into the aquarium. I have af brown paper is placed over the gravel to the disturbance which could cause clouding The plants are put into position with a planting This is a reopical tank with good plant contrast.



(Photographs by Roy Skipper)





Fishkeeping

A HOME AQUARIUM

by G. FROST



The completed aquarium artistically set with rockwork and plants. Ample room is allowed for normal plant growth and there is a good swim area for the fishes.

roughly the size of the tank, is placed over the rocks and sand, the water is then poured on to he paper which rises as the tank fills and the bottom remains undisturbed. In considering the design of your aquarium it is as well to think of it as a living picture and to make a drawing of it at you would like it to appear when finished. You can achieve an ended of the size of the size of the size of the picture when finished. You can achieve an ended of the size of the size of the size of the picture is the size of the size of the size of the picture is the size of the size of the size of the picture is the size of the size of the size of the picture is the size of the size of the size of the size when the size of the size of the size of the size of the always to soften the face or edge of a rock with a small plant.

### Buy a Plant Collection

70

Buy a Plant Collection
The choice of plants for your aquarium is for your aquarium is control to buy a select of the source of the s

and so increase and to allow this you must give them enough room. The aquarium we use in exhibitions are intended to convey the impression of a well established tank and are usually overstocked with plants in comparison with our home aquaria.

### Care of Roots

Cure of Roots When planting remember that the roots of plant are its lifeline and treat them with practicare. Do not push them hard into the gravel but spread the roots out on the gravel and the provide the second state of the second plant in the gravel, as you would plant in the gravel. The second state strains and there is sometimes difficulty in permissible to hold these in place in the second with the help of a small clip made of soft apace to grow. Plant midvidually and not in a place to grow. Plant midvidually and not in a the second state of the second state of soft and the second state of the second state of soft and the second state of the second state of soft and the second state of the second state of soft and the second state of the second state of soft and the second state of the second state of the second state of the second state of the second second state of the second state of the second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state second state of the second state of the second state of the second state second state of the second state of the second state of the second state second state of the second state of the second state of the second state second state of the second state of the second state of the second state second state of the second

Fishkeeping

### **MAKING A WATER GARDEN (2)**

Creating artificial rockwork-Planting the pool and introducing the fishes

### by N. E. PERKINS

by N. E. PERKINS formed of sharp sand and weak event to a con-sitency where it would "stand" (Le.; remain in the desired position without slumping). Before applying the rendering to the "skeleton" such bricks and stonework of which it was composed were thoroughly we be in the standard stonework of which is used and stonework of the issue dermatics, the tolerance of different whills others contract the complaint with used and the stone of the stone of the issue and the stone of the stone of the issue and the stone of the stone of the while stone of the stone of the stone of the issue when concrete will hold with the result

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The bottom pond concreted and rondered with the lower layer of the artificial rocks completed.

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Fishkeeping

B TORE attempting to form artificial manual for the rockery it is very advisable manual for the rockery it is very advisable in the stage most common advised to the stage most common advised to the stage most common advised to the strate any the scatter at the strate and the strate strate and the scatter at the strate strate strate required. The soil was removed to the strate strate and the strate strate the strate strate strate and the strate strate strate strate strate and the strate strate strate strate strate strate strate at the strate s

In to a great extent, responsible for the second of the water. I see with established pools it is quite normal the water to become very green during the entry hummer but this should not eccasion mere for it will clear if the latence; constant infinite of fresh water will, however, prolong the centility.

### that Provided by Lilies

Fishkeeping

The provided by Like The presence of Water-like does much to this tendency in mid-Summer since the flowing leaves shield a considerable area of the water from direct sunlight. I therefore the second second second second second interface and the second second second interface and the second se

Other plants for the pendisic obtained at the same time included Pickerel Wood (Ponederia cordare), a really handsome marginal with fine dark glossy foliage and pale blue spikes of bloom. Although ruther a vigorous grower this species is definitely worth a place even if it has to be constantly cut back. Remaining plants included Tybla michanic (a dwarf virley of what is commonly but arcroecously known palearir), Bog Arau (Calle palearir), Japanese Arowhead (Sagittaria japanica), Bute Mimulus evants (a good type as it is too palearir). Bog Arau (Calle palearir), Japanese Arowhead (Sagittaria japanica), Bute Mimulus evants (a good type as it is too that a good type as it is too that a good type as it is too attaggly and coarse growing, producing flowers). The every start a lotted space with some of the system. The the every starts in the concrete readering of the pale of the sufficients in the concrete readering of the lor tools to obtain a purchase. **DO THEY CROAK P** 



AVING been intrigued for some considerable time by the fish known as includents pennillar, scientific name of the Croaking Gouranii, 1 decided to assure specimens, with the main purpose dring the "croak", which they were said

terminally I acquired four young Trickopsis and which were of an average body size of tender 1 in. On arrival the fish were placed anothing tank and, after allowing a few

### Finkesping

Experiences Vary with the Dwarf Croaking Gourami (Trichopsis pumilus)

by R. W. ANDREWS

days for them to settle down, note was made of their general appearance. The body shape was slender and tapering, in comparison with the deep bodies of the larger Gouramies. These T, puentias did not appear to possess any outstanding colour markings but, in certain spingles sparticel against the overall brownish-magics sparticel against the overall brownish-A broken sequence of blaue-black, irregularly shaped dots formed the lateral line. The

73

Completed left side of the rockery beside the author's pond. The crazy-paving path has the slabs separa ated after laying. (Photo-graphs by L. E. Perkins.)

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(Fishkeeping

METALLIC FANTAILS

Selecting Fish of a Hardy **Goldfish Variety** 

### by MARK WELCH

TH Metallic (Scaled) Fantail may be inter-aquarium or pond. As an aquarium in makes an admirable subject, with its ind colour and well spread fins offering area to a background of flourishing plants, it is movements are slow and regal enough make a 30 in. Jong tank appear ample space 16

A O in. Joing tank appear ample space with stand the rigours of an English with the stand the rigours of an English with the stand of the rigours of an English with the standard results. The row deal with the standard results are hardy of the standard standard

Fishkeeping

The latest (slightly reduced) ideal for the Fantali variety of Goldfish published by the Federation o British Aquatic Societies. Minimum body length minus tail fin, is 2 in. Caudal fin is fully divided

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### Fag-binding

Another possible sequence of ovents is that franks fish which has been kept away from the sequence of ovents is that for too long a period retains her eggs in a ultimately de and the fish becomes showed, it has been kept away from the fish becomes the sequence of the male. The dead eggs may liquid and the fish becomes were in the absence of the male. The dead eggs may liquid and the fish becomes the second the second eggs and the second second the second eggs and the second second the second second the second second



Fishkeeping



### by DR. F. N. GHADIALLY

separated for months on end, bring them souther and separate them at a later data. I tred many species of these very war of the second seco

most. When a fish suffers from Dropsy it may lead the uninitiated to imagine that it is filling up with eggs. However, as the disease advances and the scales begin to stand out, the condition can be diagnosed quite usally. Dropsy implies the collection of fluid in the peritoneal cavity and is only a sign of some other disease, often a serious one, of the heart, liver or kidney.



### Cardinal Tetra gets its name

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### 



Fishkeeping



Till, variety of ways for presenting an matrix in a room is wide. Three contrasting styles are shown here and manufal and set up by Mr. A. Rous in marphion room for the enlarged premises (Desmbborough Fisheries at Shepherds Bush West London.

Wrought iron plays its part in the first wrought iron plays its part in the first wrough iron plays is part in the first wrought in the second play is the second second play is the second play is the method second play is the second play is the method second play is the second p



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### AQUARIUM PRESENTATION

Contrasting styles give character to a room

Photographs by FISHKEEPING & WATER LIFE



ank dimensions and there is the neentive to "look round the corner" to ee if there are fishes hiding. This suggestion could well be tried in a supelled room.

suggestion could well be trice in a panelled room. For the do-it-yourself aspirant maybe the third idea is the most interesting. Grained-effect wallpaper is used on a recess in which fits an aquarium of 30 in.  $\times$  18 in. The wooden border to conceal the angle iron frame of the tank has beading running along either side and in between, to give an unusual sanded effect, is ordinary aquaritim gravel thrown on to we tanit-work.

### POPULAR AQUARIUM BARBS



Pair of Rosy Barbs (male to the right), a very good fish for the nuvice to breed. Photograph, L. E. Uny.

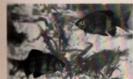
PETER HEWITT gives answers to questions on these fishes

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Fishkeeping

A. The Barbs do, indeed, offer some of the must suitable fishes for the beginner to breed, for species come to mind as particularly acod for this suitable fishes (bay Bart) (B. conclusion) of the suitable fisher that the suitable of the suitable Q. What first first suitable on the suitable of the suitable of water is suitable only for breeding Barbs."

ies, but for the smaller and medium-a a tank  $18 \times 10 \times 10$  in. is quite the media may be employed. For edia, fine leafed plants such as



Fishkceping

Checker Barbs are less popular than some species but have a distinctive colour pattern more obvious in males. Photograph, G. J. M. Timmerman.

and method of spawning would be cluted.

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81

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the fry until they are free-swimming. The first food should be lafusoria. The fish are very greedy and I have found that drip feeding is the best method. One drip every 6-8 seconds is about the right quantity for an average bread.

brood. The fry will grow quite quickly and, after there to five days, newly-hatched Brine Strimps should be introduct; these can give way to small Daphie and a little dried (cod direr a further 10-14 days. From then onwards they can be brought on quite easily by any mixed diet.

Q. After the very easiest species have cen bred, what other Barbs do you recom-

been bred, what dher Barbs do you recom-send?
A. Checker Barbs (Barbus oligolepis) and down transmission of the sender present of the sender of the sender present hey should not prove to be beyond the apabilities of the novice aquarist. Success with all these fishes depends mainly on the solutioning process before spowning.
A. Are there any Barb species that are not regularly obtainable but are work obtaining with multide.
Are hare a striped Barb with light is preaeful and colourful addition to any com-tone of the sender of the se

AUTOMATIC FEEDING OF MIKRO-WORMS

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WHEN the aquarist is breeding tropical fish, and is away from home all day, it is always a problem to find a satisfactory method of giving the fry the frequent feeding that is desirable and indeed necessary for their proper development.

nethed of giving the fry the frequent feeding. The development is development in the reaction of the second of th

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Photograph G.S.C. When

**Ridding water of chlorine** 

### by FISHKEEPING'S Analyst

Processing, H. & Honsterr, E., Bull, Centry beign by Chronissent, Eaux (1951), No. 14, pp. 197-207,

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<sup>1</sup> GAURPAYL S. V. & ALRUMIN, K. H., Proc. Nat. Tone, Sci. India (1950), 16. pp. 195-198. <sup>1</sup> LACKY, Joint B. & Prop. P. LAKE, R. Stream Semi-ration, Chapman & Hull Lid, London, p. 245.

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ways by which dechlorination of water may be carried out, and a few of these methods are safe to use where fahl life has to be safe through One of beschowing the safe of the squarium vigorously considered to be the adjuint of the squarium vigorously or about four hours before finhes are intro-duced. Thus the danger of residual cherine to fishes may cavily be eliminated. Constiguent to be the adjuint of software water by dissolving one ounce of software hydrogen one of his finest specimens, will not bestude to fishe stare three gallons of aquarium water.

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usualphate to the water. This may be done of fishes into a tank containing freshly of mains water the wise fishkeser, when exhly settals, (Hypo) in one pint of warm water, and the tank of the settal of the settal settal afficient to treat three gallons of aquarium ater.

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### Fishkeeping

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ANOLIS LIZARD FROM GAROLINA

### by MARY E. WHITE

THE Anolis Lizard from Carolina and Florida (*Anolis carolinersii*) makes a very talogist who has not much room available. If several are kept together, their lively habits and the endless skirmisbes between the main their body length is about 24 in, the tail being almost twice as long as head and body.

Fishkeeping



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### Upper illustration: a Water Boatman swimming Below: the Lesser Water Boatman, Cotisa falloni (actual size of the creature is 7 mm.)



Fishkeeping



does not necessarily share the view of correspondents.

### Dwarf Cichlid Trouble

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Fishkeeping

of fish; one mistake I made was using two rather old males, and I never saw these spawn as described above at any time. Havecroft, Nr. Wakefield, Yorks. J. HAVES.

### Tame Goldfish

Tune Coldital Status of the second s

### Well Represented Aquaria Section for

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# Oucries are answered free of charge by experts. They should be sent to "Fishkeeping", Dorset House, Stamford Street, London, S.E.J., with a stamped addressed envelope for the reply. All queries are answered direct but a selection is published here.

### More Light Needed

More Light Needed I am hering invable with a 3 ft. long aquasium, here a horomita scan is forming on the glass and functs. The tanks is an add concer and a illuminated for at hours such remains by two 40-eart balls.-(2.1.4. Stoke-orient Scale). The trouble in your tank is due to one of the focurs when too little light a present. We would support that the best way to overrome your means of a cloth or scarper, and the replace by mouse of a cloth or scarper, and the replace by mouse of a cloth or scarper, and the replace by how of a cloth or scarper, and the replace by mouse of a cloth or scarper, and the replace the how the light prestrating the tank; he right period of time can only be determined by trial and error.

The right period of time can only be intermediated by trial and errors. South of the rest of the res

### Water Analysis

Watter Analysis
CAMPLES should be wait (NOT definered by Dhand) in a clean pint bottle, well packed, for yeare Life Analysis, L2 Feathered Lane, Adding ton, Surrey, together with a fee of 5s, per sample sent, locationetic soft as section and details prevailing conditions should accompany each sample sent, Deat-morten examination of fisser and corpose control be undertaken under this service and corpose control be undertaken under this service and corpose to any other and end this service and corpose will be under this service and corpose will be under this service and corpose to any other and this service and corpose will be under this service and corpose will be under this service and corpose will be founder this service and corpose will be founder this service and corpose will be readed and this service and corpose will be founder this service and corpose will be founder this service and corpose will be readed and this service and corpose will be readed to be the service and the service and the service and the service and will be the service and the service

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effect and what voltage bulk for lighting would be ended - U.H.B., Shipley, Yorka. This was a second second

Dor Your Booksney] Henchologist' Interests' Books and with particular readers in mind the not easy to embrace eathers of latest, and the not easy to embrace eathers of latest, and the not easy to embrace eathers of latest, and the not easy to embrace eathers of latest, and here the notation of the studies, and a laymen naturality more interested in general habits and behaviour. The studies of the studies, and a laymen naturality the studies of the studies, and a laymen naturality the studies of the studies, and a laymen naturality the studies of the studies of the studies of the studies the studies of the studies o

Also Receives :-- "Tropical Fish in Your Home", by Herbert R. Axeirod and William Vorder-winkler, Ward Lock & Co. Ltd., 17/6d, "Fish Foods and Feeding", by Feroze N. Ghadially, Buckley Press Ltd. 4,6d.

Fishkeeping

THINK that the open slow staged by the mean of AS, in early Rovember can be rised at the second stage of the slow committee of the

### Midlands Miscellany by W. L. Mandeville

South-West Viewpoint by H. C. B. Thomas

111 Midlands has recently been favoured with two withs from Dr. F. N. Gindially. He out-and the general principles of genetics to the fedana A. & P.S. and thus assisted the tendens of the cultivated Goldfish in that society that pursuit of Veillauls, Moors and Shubun-time to their frends at Brothing keen com-tinue to their frends at Brothing the set of the Walsall Society on "Fish Foods and

the what is Society on "Fish Foods and the what Society on "Fish Foods and the society of the society of the society of the members of Milland accelerate at here constru-tioners?" The area is in full spate with these events. "The society of the society membership by laving at attended get-logethers which who who with the society and the society membership by laving at attended get-logethers which who were hand the society and the society membership by laving at attended get-logethers which who were hand the society and the society membership by laving the society age to be society membership by laving the society and the society membership by laving the society and the society membership by laving the society member

### Linewire Society

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### Fishkeeping

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Mr. G. H. Hough's winning enry in the Walanh society's pond competition which was restricted to members. Photograph by S. Millis-Clarke,

### Scottish Commentary by K. A. M. Robertson

PERHAPS an excuse is needed in that the first words of this new column are of a somewhat bistorical name bal, at the recent annual show of the Southith Agamton and the recent annual show of the Southith Agamton and at the the theory of the international and the state of the matter and find out just when the society was formed. Mrs. Strachan Kerr produced the minates of the first meeting. It came into being in April, 1927, add therefore is new coming up to its there-there.

The astonishing point about this during the interfer the keeping: The astonishing point about this during the interfer the keeping: The astonishing point about this during the interfer the keeping: An Active Fridy Market is Market weeping the interfer the keeping: An Active Fridy Busickeeping and spends all about tessing at the show. Then three is more translated your and the interfer tessing at the show. The ultimet was the society. The society is the term three is excluded from personal mention but it is interesting to nove that both the original the south-western at the year's show.

News from the North-West by "Aquaticus"

90

There was considerable interest taken in the exhibits of the Federation of Gorpy Breedey Societies and the Goldfish Society of GL Braum at the S.A.S. exhibition. It seems it will not be long before a Societies accino of the Gorpy Federation is formed, and also busion from Sociation in the future so for as the Fancy Goldfish are con-cerned. There is a definite interest in these that and only a little encouragement is negative to further the keeping of them considerably.

# An Active Period October and November have been especially full for agurats in these parts. Apart from the SA.S. show here was a most set. A.S. This was attended by five of the West of Sociatad club-and the straight of the West of Sociatad club-after a great strangle with the Glasgow forul-adapter and the straight of the straight of the August of the straight of the South-western district clubs completed in the instrelub section.—K. A. M. Robertish is Edeal Dirive, Newton Means, Realifewhile.

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Fishkeeping

Home Counties Show OrderANSTC by Resting A.S., as highly suscential instruction tables those was able on Oraches 21 with table wombe and Resimptoke as garets. Balage was well by Bounts and received a plaque. Balage and the Balage and the State of the State of the "Good whele for a screed; and complete procerve uses to the Reading A.S. Presiden; Mr. Conp. who was monitoring from a screen and presential."

### Local Enterprise

BROCKLEY & DISTRICT BREEDERS' CIRCLE transformed handbills announcing a series of four short, at the three frequest discuss by Dr. F. N. Ghadially the members joined the club's "general followerpage tents.

training in policy of virtual general initiatepolic training in policy of virtual curves in a local shock warning as a peecial meterican such as a shick however the start of the start of the shick however and the start of the start of the shick however and the start of the start of the shick however water angles from a work area have been used and, following tern and experiment, it is to offer to instruct members "hardward" water of virtual to offer to instruct the start of the sta The Circle now has access to a rotary duplicator and the Circle now has access to a rotary duplicator and measurement. Details can be had from Mr. H. J. w. J. St. Aasph Rocka, KL 4.

Speaker on Cichlids M. G. PHILLIPS, who has wide experience with printing of the National Aquarity's Society at the New Homeworks and National Aquarity's Society at the New Homeworks will be selected.

Proposed Federation Des 14 in Room 1. Textile Hall, Developer, com-tion for the second secon

### Area Get-together

**Area Certogenter** Washing A august horses into and NW Lossi and A august horses into a constraints of the constraint of the constraint

Fishkeeping



Mr. and Mrs. John Edwards at the Study Society's first conference. Mr. Edu secretary of the club which is making

Sectory of the table shifts to making could properly. Study Society's First Conference MitMERS from a wind area standed the first con-positive 24, which was based social base a number was been by the standard social base and the society, the sector standard social based and the social social social based and the social social introductive programme which included a questions is aquarking standard based a social of the location. Note the society, based and a tour of the Location X of sectors and the society of the society of the social based of the society of the society of the society of Nettingham and a tour of the Location X of symmetry. Dr. A. Pearlman was chainman of the com-sense.



Christmas Gills
Christmas Cells

• The possibility of forming an aquarist society is under consideration by the Owam Social & Athletic Club (Shaw).

Before moving to the North of Scotland Mrs. McPheron spoke to reembers of Glearothes A.S. on "pH and Infusors". She received a procentation before leaving the district. The Scotlink Aquarism Society's show was visited by Glearothes members.

New address of the Rugby A.S. secretary, Mr. L. E. Burton, is 12 Millifields Avenue, Rugby. The club's recent exhibition was well patronized

Mesars, H. P. Lymn and B. Inman presented a film programme at the Nottingham society's November 20 meeting.

A new society under the title of Worksop Aquarists and Zoological Society has been formed. Meetings of the society of the Newcastle Arms, Carlton Road, Worksop, Others are: chairman, Mr. Riv and socretary, Mr. A. M. Duskin, 14 Canal Road, Worksop, Nots.

Mestings of Berhaul Green A.S. are held every message at 2.45 pan. in the Berhaul Green Mes's restrong at 2.45 pan. in the Berhaul Green Mes's man properties members a cost l. condon, E.J. Vistor, and prospectice members are cost. Exact sectors, N.F.H. Pentor, Fernauer, Mer. F. Scott, stor secretary, N.F.H. Scott, and secretary, Mer. A. B. Scott, 40 Ellerman Street, poplar, E.I.4

91

### Wagtail Platy Takes Premier Honours in Glasgow

Children's Entries Draw Crowds at Blackpool THRLE hundred tropical and coldwater fish were do years for heavinh annual above of Blackpool and Mayor of Blackpool, Councillar Childred Cross, opened Mayor of Blackpool, Councillar Childred Cross, opened

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### Herne Bay's Display



Fishkeeping



This items for the January laue should arrive no later than Monday, December 16.

- Mr. Bates gave electrical hints, and filmstrips were in show at the November 19 meeting of Dunstable
- Ymmun speaker at the October metring of Damitative Sens Mr. C. Rose of Bernsphann who dealt with his and kerner. C. R. Witchford in Findeenpart. ٠ Manufarr of Yeorif A.S. were ancessful at the recent tases subhibitions of Bath and Britid societies. At the trib a last meeting Mr. L. G. Emery spoke on "Cold-ier Takes".
- Remain activities of Bristal A.S. have included a talk in Chapter's by Mr. H. C. B. Thomas, the annual more and a discussion with the Midland succeys is an mouthing system for exhibition finit. Mr. L. E.J. Chammar was the trapping leaders of the Mr. N. O. Chammar was been be trapping leaders of the Mr. N. O. Chammar was ensured. Mr. V. E. Capabili in the traffic draw ensured.
- Here Invest aquarists' societies were represented at num throw arranged by Sunderland A.C. during The programme included "Coral Wonder-ties of the Trout" and "Marvets in Ministure"
- Intrasm members were encoded at the languaged intrasm members were encoded at the languaged the members of the sector on November Were and the sector of the
- is a meani three-conneced content with Riverside the finance sciencies Chelses A.S. were successful. If M. Daman, the science of the annual home the companition indeed by Mr. J. E. Searle. The testing second was held on Notember 30.
- Burn first its show at an inter-thic context between imposing A.V. and the Capitan society such a strain density of the second second second second task manages in y7 points to 21. First price task manages in y7 points to 21. First price second second
- Bill W. Hall's Cardinal Tetra was the best fish at she

Fishkeeping

• A film show was arranged by Aylesbury A.A. for November 6. The Corby A.S. won both a quiz and table show against Peterborough society, in an East Midlands Association competition. In a varied programme at a recent meeting of the Carawias Cleb (Portsmouth) Mr. C. Abel and Mr. A. Stammers apode. There was also a discussion on fish foods and colouring in Metallic fishes.

Best fish
 exhibition

- There was a good attendance for the inter-club table show between Middleton A.S. and the Salford society. Mr. McDowell was the judge. 60d89: MI. McDowert was the peaker at the October meeting of Guildford A.C. and he presented the Derothy Ritlen Points Conf. Mr. Curits. November lectures was Mr. D. McInersy.
- Winning a WAYNE LUE Diploma for best fish at the Oldhum A.S. exhibition on October 26-27 was Mr.
   Hodgette with an Archer Fish.
- The Christmus social of Craydon A.S. was held on December 6. One week earlier, the society's A.G.M. took place. Mr. W. Howe spoke on "Breeding Labyrintts" at the Norvember 7 meeting.
- A club with the tille of Credex Aquarists Society has been formed by the Credex Social & Sports Associa-tion (99-67 Grenhum Street, London, E.C.2). This organisation operates in the Export Credits Guarantee Deparatment of the Civil Service. A community aquaritien has been set up in the reception room of the department's office.
- It the Hormanian meeting of Dandee AS, there was inserted to the show with Perth AC, where was transmission by J notices to V. Jadaping was drose by transmission MM r.G. Rery.
  - A talk to Colwyn Bay Hotel & Guest House Associa-tion was given by Colwyn Bay A.S. on November 26.
    - 93



There-fine members and guests of Linetwite Major A.S. emptyed the club's feet atomat dimmer in Octoper. Each gaset was presented with a inpet badge and enrolled as an honorary intermber. Mr. R. S. Wigg, the secretary, meetived the Member of the Year Cap.

Mr. A. W. Hewitt, Hollphank Chotley, Alderley Edge, Manchener, is the new socratary of Ferrani A.C. Wy hemistery. A Montest of Athonic medical-type, Northendam and Salitard clubs participated in the November 8 meeting which included a talk by Mr. Macalawell, a table show and two sound films.

Mayor of Covenny, Basic intersectory endowater aquaritam was shown by Nonesson A.S., while Mr. G. Glaver took the award for bott members' coldwater furnitude aquarium. An attractive show catalogue was issued.

Common Goldfish Best at Cambridge Mary varieties of tropked fob were no view at the Society which was held recently, but the Simpson Cap for the best full in show were to a large Common Gold full, owned by Nr. H. C. Froman.

94

Mr. Chopman was the judge of furnished aquaria Mr. Ston, the individual classes.

Newlo-acquired chabrooms in Beimont Street Aberleast, were inspected by members of North of Sendand A.S., after their Nortember 14 meeting, at which Mr. G. Steeler gave a film show.

On October 26 Walthamstow A.S. held its annual show prime presentation. Exhibitors and franch attended and the programme included the film, " Core Number of the programme included the film," Core

The Heinery A.S. held its annual direct on November 23. The table pias a big open show for Sporther 3-50, 1958.
 Annual useful evening of the Grapy Petersner's San, Forest Grae, on December 12. Starting tame is pan.

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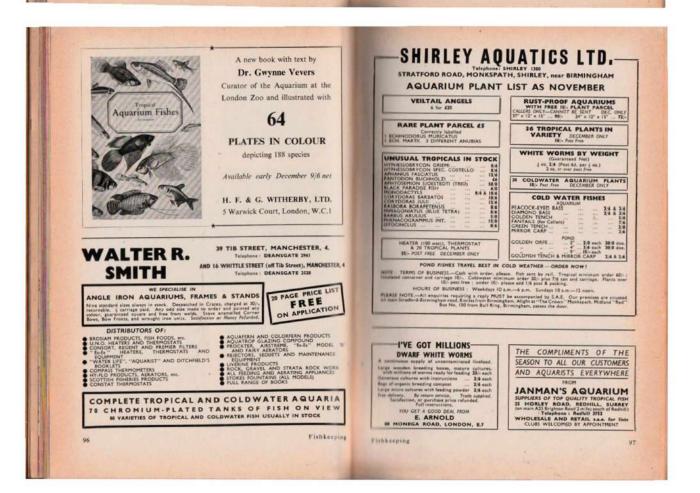
Show Finals ful, oread by Mr. H. C. Promati. Actions: the uncild entries were six Nigger Barts which were the Brood will be Living the Phores. My Tool Barts, the Fitzery Cap with a Configure area of the Configure and the Bart is the Configure and the Configure area of the Configure area of the Configure Barts and Configure and the Configure area of the Configure and the Configure Barts and Configure and the Configure area of the Configure and the Configure Barts and Configure and the Configure area of the Configure and the Configure Barts and the Configure and the Configure area of the Configure and the Configure Barts and the Configure and the Configure area of the Configure and the Configure Barts and the Configure and the Configure area of the Configure and the Configure and the Configure and the Configure area of the Configure and the C

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