

# Collectors of Aquarium Literature

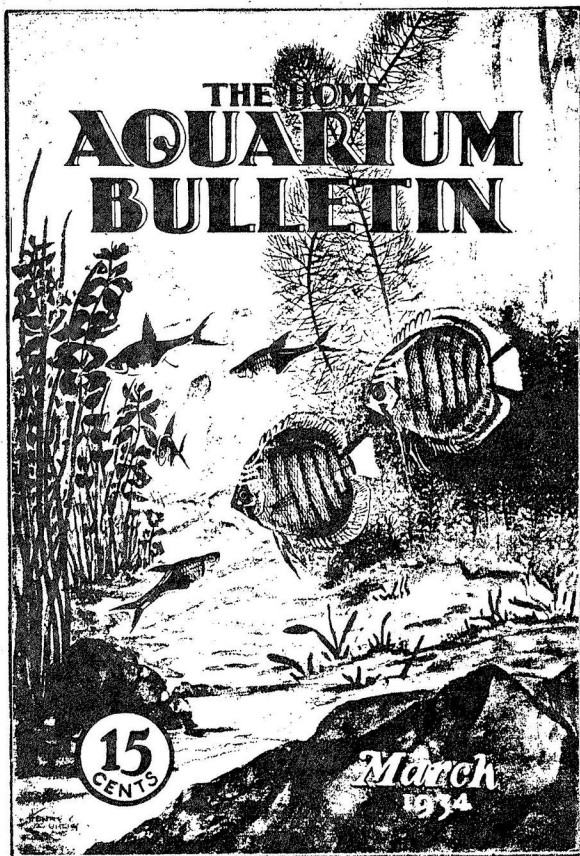
Number 6  
August 1984

## THE HOME AQUARIUM BULLETIN

by John Brown

One of the great aquarium magazines to come out of the 1930s was The Home Aquarium Bulletin. To cover the history of this magazine, we must go back to the year 1927. It was in that year that a dozen enthusiastic fish hobbyists met in the city of Newark, N.J. and founded the Newark Aquarium Society. So popular was the tropical fish hobby in Newark at that time, that by 1930 the society had grown to about 500 members. In that year (1930) a bulletin was begun by the society and was published for a year by mimeograph. This proved so popular that it was decided to upgrade it into a commercially printed "slick" magazine. Vol. 1#1 of The Home Aquarium Bulletin appeared in Mar. of 1931. It was published monthly up until Mar. of 1936, never missing an issue.

From the very beginning, The Home Aquarium Bulletin contained many excellent articles. Some of the most distinguished and knowledgeable aquarists of the time wrote in its pages. The early issues had a plain simple cover and the interior contained only a few line drawings. By



About 1/2 natural size

MEMBERS there are only a few of you using the ad space. Where are the rest of those ads ? Please send them to my new address. Have your ad ready to publish. I need to Have the ads by the 24th of the month before publication if not earlier.

CAL has some Practical Fishkeeping , three sets of four magazines 1984 Jan, Feb, March, April, cost at present is \$8.00 per set, one per person. I'm getting more. Please let me know if you want to get them. Also if you want A&P (Aquarist & Pondkeeper).

**EFFECTIVE JANUARY 1, 1984**

The Collectors of Aquarium Literature club was founded by Dave Hopp and Paul Harvey to promote the collecting of all materials related to the aquarium hobby. Only six pages per issue were planned. However, in 1984 each issue of CAL will be sixteen pages. Ross Socolof has volunteered to be Technical Editor and insure the accuracy of all material published in CAL. Both of us look forward to his help. Membership dues are \$10 per year which entitles you to:

1. Four issues of CAL
2. Twenty lines of free ad space per issue to let CAL members know what you want to buy, sell, trade, or learn. CAL will run the same ad in two consecutive issues only. Extra ad space costs one dollar per line and payment must accompany the ad. Your ad must reach Dave Hopp by the 24th of the month before publication. CAL is published February, May, August, and November of each year.
3. A \$5 refund if you contribute an article to CAL. The subject matter is your choice. Any article of interest to CAL members earns a \$5 refund. If you have any questions, do contact Paul Harvey. Submit all articles to Paul to promptly earn your \$5 refund.
4. CAL members can order a second subscription for themselves for \$6 per year.
5. Back issues of CAL are available from Dave Hopp at \$2.50 per issue.
6. CAL offers you a set of inventory sheets which cover over 25 publications for \$5. This set includes information on many difficult to find issues plus some issues you might not be aware are part of the set and help you accurately log your issues.
7. Dave Hopp will chair a committee to obtain current issues of both Petfish and Aquarist & Pondkeeper from England. If you wish to receive these publications, please notify Dave Hopp.
8. Material published by CAL may be reprinted (unless permission is specifically denied in a note accompanying the material) providing that two copies of the reprinted material are sent to the Editor Dave Hopp. Credit to CAL MUST APPEAR immediately after the end of the reprinted material and MUST take the following form: "Reprinted from CAL. Any person interested in the Collectors of Aquarium Literature should apply to Dave Hopp, Editor, 3604 Agate Dr., Modesto, Ca., 95356"
9. Insure communication among CAL members, your phone number is required. No exceptions.

Membership dues are \$10 per year; Overseas dues are \$13 per year

SEND DUES TO: Dave Hopp

3604 Agate Dr.  
Modesto, Ca. 95356

SEND ALL ARTICLES TO:

Paul Harvey  
Blue Mill Rd., M.R. 13  
Morristown, N.J. 07960

NAME \_\_\_\_\_ PHONE (REQUIRED) \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_ COUNTRY \_\_\_\_\_

TIME DOES NOT PERMIT ME TO RETYPE ARTICLES OR ADS. PLEASE DO THE BEST JOB POSSIBLE AS I REPRODUCE IT THE WAY I GET IT. USE A NEW TYPEWRITER RIBBON AND YOUR MATERIAL WILL REALLY STAND OUT. IF I CAN HELP IN ANY WAY, PLEASE WRITE ME. THANK YOU DAVE HOPP.

*2*

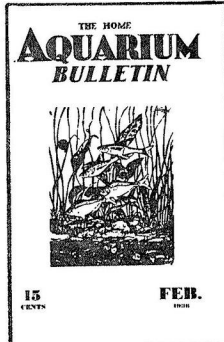
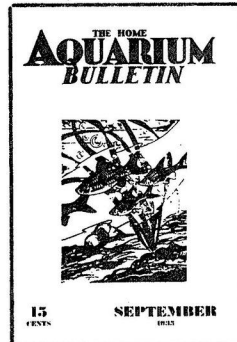
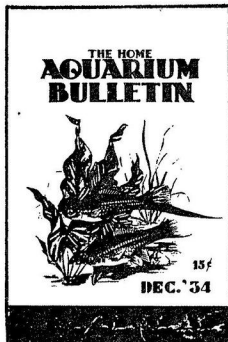
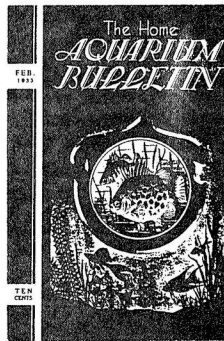
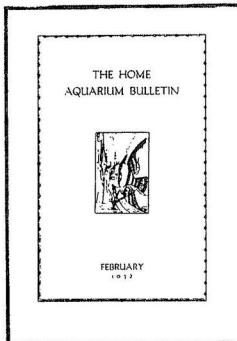
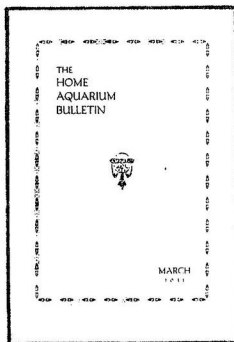
the second year, however, many photographs and excellent artistic drawings were being used throughout the magazine. In Jan. of 1933 a more elaborate illustrated cover commenced being used. From Mar. of 1934 and onwards the cover was colored. Each issue depicted a different aquatic scene or fish, much like the Innes Aquarium. H.A.B. increased in size from about 20 pages in the beginning to over 30 pages after a couple of years.

After the Mar. 1936 issue, The H.A.B. was forced to cease publication. This was partly due to the financial problems of the great depression of the 1930's and partly due to the death of the editor. This was not quite the final curtain for H.A.B., however, as it continued on for several more years as part of another publication. It was united with a general pet magazine of the time called All-Pets Magazine and the combination was called (quite appropriately) All-Pets Magazine and Home Aquarium Bulletin.

There are those who would claim that The Home Aquarium Bulletin was the best aquarium magazine ever published. I would not agree but certainly it ranks up there among the top few. It is unfortunate that copies of this fine publication are so hard to come by today.

V O L	Y E A R	MONTH											Y E A R	Jan	Feb
		<u>THE HOME AQUARIUM BULLETIN</u>													
		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
1	1931											1932			
2	1932											1933			
3	1933											1934			
4	1934											1935			
5	1935											1936			
6	1936														

61 issues published



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--Submitted by Marcia Repanes

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CAL SEZ

Did you know that the American Rainbow Association is about to collapse due to lack of help? See the May-June 1984 Newsletter for more details.

The new ACA Index to BB is out and replaces the January 1980 index thanks to Randy Crout.

A Guide to the Freshwater Fishes of Victoria (Australia) is available from the Victorian Government Bookshop, P.O. Box 203, North Melbourne, 3051, Australia, for \$15. My copy has not arrived yet but due shortly, I hope.

Evolution of Fish Species Flocks contains sixteen major cichlid articles with one by my friend, P.V. Loiselle, for \$21 softcover, \$29 hardcover, from the University of Maine Press at Orono, UMO/Bookstore, Orono, Maine 04469.

CAL says thanks to those members who have put pen to ink and provided interesting articles for us to read. Thanks to:

- |                 |                   |
|-----------------|-------------------|
| . Jare Sausaman | . Ross Socolof    |
| . Steve Stewart | . Frank Fuqua     |
| . Robert Harris | . Dan Thompson    |
| . Dale Speirs   | . John Mangan     |
| . Mike Wise     | . Clarence Ludlow |
| . Dave Hopp     |                   |

Each of the above has their choice of \$5 or two additional issues of CAL added to their subscriptions. Let me know by September 1, 1984 if you want a \$5 refund. Otherwise, CAL will extend your subscription two issues. Thank you for helping CAL supply information to all its members.

Recently, Ross Socolof helped place free, promotional ads for CAL in Pet Dealer, May 1984; Pet Supplies Marketing, May 1984; TFH, January 1984; plus FAMA, December 1983. Thanks Ross!

I met CAL members Ed Taylor and Bill Fachert at the 1984 AKA Convention in North Bergen, New Jersey.

Ed Taylor placed a new item in the May 1984 issue of TFH about CAL. Thank you, Ed.

Wayne Leibel, editor of the Geophagus/Aequidens Study Group, ran a promo about CAL in the latest issue and it resulted in a new member. Thanks, Wayne.

TFH has published Freshwater Fish inserts in booklets #29, #30, and #31, plus Marine booklet #12.

Index to Aquarium Digest International issues #1 thru #30 is now available.



An amazing piece of research by CAL member Dan Thompson is a special NANFA issue that indexes native fish articles from WW II to the present. Well done, Dan. Back issues of NANFA are available from Kathy Beaugez, Marine Education Center, 1650 East Beach Drive, Biloxi, Ms. 39530.

Have you considered adding these books to your collection? Fishes and the Forest by Goulding; Freshwater Fishes of New York State by Werner; Guide to Fishes by Grant; Living Corals by Faulkner & Chesher; Atlas of North American Freshwater Fishes and Supplements by Lee et al; Aquarium Encyclopedia by von Ramshorst; Handbook of Darters by Page; A Natural History of the Coral Reef by Sheppard; Catfishes of the World by Sands; Fancy Goldfish Culture by Orme; Rainbowfishes of Australia and Papua New Guinea by Allen & Cross; Fishes of Japan in Color by Kamohara.

HELP WANTED:

I recently purchased a set of DKG-Journals in which the early years were printed in a looseleaf format. These were all separated and mixed for the years 1972-1975. I need help in putting them together in order. I have thought of a way to do this with a minimum amount of bother to whoever can help me. I also need to know about the first year of issue for the Goldfish Report.

Gary Grant  
324 Mill St.  
Algonac, Mich. 48001  
313 794-4828

Jon Conant - 336 Hillside Ct., Vista, Ca. 92083

Members of C.A.L. : To all who answered my ad in may #5 CAL. My mail has all been destroyed before I got it. So I don't know who you are and have no way of finding out. Would you please write again. The previous ad is still good. Sorry for the inconvenience. I will answer all my mail! This address is temporary. Should have a permanent address by next issue.

New Members

James C. Wogold, 2533 Dorfield, Rochester, Mich. 48063 ph313-852-3296

Dan Berard, 14560 S.W. 77 Court, Miami, Florids, 33158 ph ???

Keith Taylor, 166 Atlantic Ave., Marblehead, Ma. 01945 ph 617-631-4645

Corey Mohrhauser, 3700 28th Lot 344, Sioux City, Iowa 51105 ph712-258-  
ph 712-258-6123

Renewed Member

Mike Ogle , Robert Harris

new address

Mike Gillespie, 1721 Lassen Ave., Central Valley, Ca. 96019



## RINKO

by D.C. Speirs

Rinko is the name of a Japanese publication devoted to the study of koi (Cyprinus carpio). The word 'rinko' means 'bright scale'. This publication appears in both English and Japanese versions, and is produced by the society Zen Nippon Airinkai. The Japanese version has been appearing for some time, and as of early 1984, had reached whole number 197. The English version began in April 1975 and recently passed 80 issues. This article concentrates on the English Rinko.

English Rinko is a full-color publication appearing monthly. The initial issues had a considerable amount of Japanese script in them but the most recent number to hand (February 1984) is mostly English, with only a few advertisements in Japanese. The text is quite readable and contains solid information on raising and showing koi. Most of the articles are translated from Japanese Rinko and the phrases have a peculiar idiom, my favorite being 'well reputed'. There are occasional mis-spellings but on the whole the text reads better than most North American periodicals.

The covers of Rinko follow the same format, shown in Figure 1. The background of the cover is always a shade of sky-blue, this being the standard background color for judging koi. Shown in vertical format is a photo of a championship koi, which differs each month.

The inside text of Rinko follows a routine beginning with a Judge's Commentary. In this section, color photos are shown of recent show winners. Remarks made by the judges are appended to give the reader an idea as to why a particular koi was chosen over another.

Another regular feature is entitled 'Comment on unique koi'. This consists of two color photos and captions of unusual koi. The koi depicted are generally oddball breeds which do not fit into the common categories.

An unnamed column deals with arts and crafts relating to koi. This is a one-page feature which shows everything from rice-paper prints to carp-shaped bells.

A continuing item is a symposium in which several well-known koi keepers discuss subjects of interest to those who breed koi or raise them for show purposes. The emphasis is on culture of koi such as feeding and pond filtration.

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Figure 1: Cover of English Rinko.



A well-liked part of Rinko is 'Contest in the Magazine'. This column shows five or six photos of koi and asks the reader to rank the fish in order of best quality. A small hint is given to direct the attention of the reader to the particular qualities of the fish under question. Elsewhere in the issue is a ranking of those fish as determined by judges. They provide a commentary which enables a reader to establish the reasons for ranking the koi in a certain order.

There are usually other reports and articles on various points of koi keeping. In more recent issues of Rinko are travelogues and reports from overseas chapters of Zen Nippon Airinkai. Although this organization is obviously dominated by the Japanese, they have been very active in establishing chapters in countries such as the United States, Brazil, Australia, Taiwan, Korea, and Thailand.

English Rinko, as previously mentioned, is a full-color publication, both inside and out. Color separations are quite expensive and currently the English version is subsidised by the Japanese. The present subscription rate is roughly \$60.00 per fiscal year (April to March), this being for 12 issues.

For those interested in obtaining Rinko, an up-to-date subscription blank shown with this article will provide all the necessary details. All back issues are still available. The mailing address is:

Zen Nippon Airinkai  
Room 401, Fujii Bldg.  
1-29, Shinminato-machi  
Beppu-city, Oita-pref.  
874 Japan

The subscription blank is for English Rinko. Those wanting the Japanese version should write first to the above address.

To complete a set of English Rinko to date will cost approximately \$550, depending on the exchange rate at the time you buy a money order in Japanese yen. If you are undecided about laying out such a sum, I suggest a one-year subscription. Individual issues are not available separately, they are only sold in annual sets. Although the Japanese refer to each issue as a volume, it is more correct to consider the issue as a number.



# RINKO

Magazine

Welcome to :

## ZEN NIPPON AIRINKAI

"An Organization for Nishikigoi Keepers"

### APPLICATION FORM

Name: (Mr. Mrs. Miss)	Subscription Date: _____	Occupation: _____
Address: _____ _____		
Transferred to your bank through ( _____ ) Bank on : ( Date ) _____		

\*\*\* Back Issues of Rinko \*\*\*

We keep a large stock of back issues. The cost for back issues is as follows:

Vol.	Year of issue	Number of issue	Subscription column	Sending by air mail	Sending by sea mail
1~4	(April, 1975~March, 1976)	4 vols. a year		¥ 9,000	
5~8	(April, 1976~March, 1977)	same		¥ 9,000	
9~12	(April, 1977~March, 1978)	same		¥ 9,000	
13~22	(April, 1978~March, 1979)	10 vols. a year			¥ 9,000
23~34	(April, 1979~March, 1980)	12 vols. a year			¥ 9,000
35~46	(April, 1980~March, 1981)	same			¥ 9,000
47~58	(April, 1981~March, 1982)	same			¥ 9,000
59~70	(April, 1982~March, 1983)	same			¥11,000
71~82	(April, 1983~March, 1984)	same			¥11,000
83~94	(April, 1984~March, 1985)	same			¥11,000

Please put a circle on the subscription column  
and enter the amount of remittance in this place.

¥ \_\_\_\_\_

After Vol. 13, we send Rinko to you by sea mail in principle.  
So it takes them a few months to reach you.

But if you would kindly transfer 9,000 yen or 11,000 yen and in addition the following money to us, we will be pleased to send them to you by air mail.

Asia New Zealand	Australia	Canada Central America	North America South America
¥ 7,500		¥ 9,000	
		¥ 10,000	

※Please copy this form and use it. ※ ¥ is symbol for Japanese Yen.

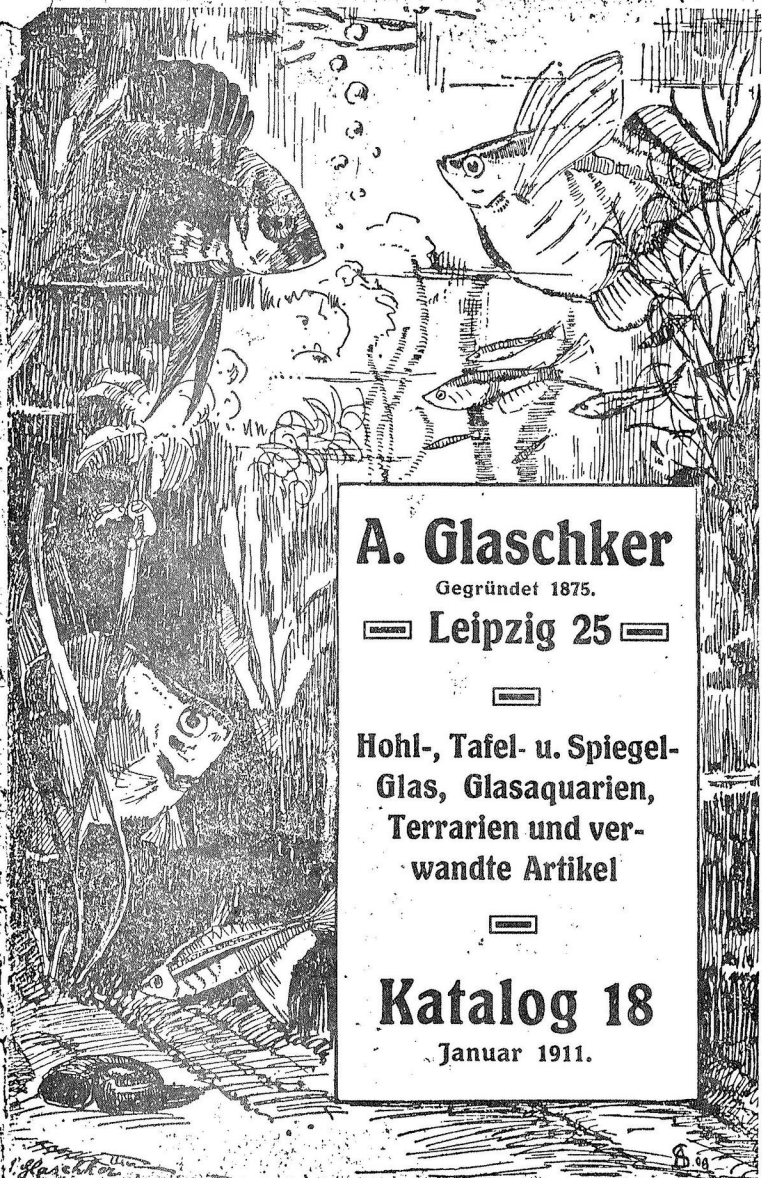


## Old Catalogues Preserve our Past

Fortunately for me very few of us have been collecting old catalogues. As far as I am concerned anything after 1945 is new. The cover of this issue of C.A.L. illustrates one of my prizes. This 1911 A. Glaschker catalogue runs 140 pages. I used this cover instead of the 1908 one which I also have as it is in better shape. These were evidently issued annually so my #18 (1911) and # 15 (1908) can be used as circumstantial evidence to point to a possible 1893 A. Glaschker #1. I reproduced four pages and then cut them up to fit on two and these are reproduced here. I think they are fascinating. These two catalogues got me started and I think are the best I own. My collection is really not terribly impressive after so many years at it. The most interesting thing I own is a photostatic copy of the original Lloyds catalogue. This from the 1850's and this will be the next thing I write on the subject so will not detail it now. I have a 1925 and 1926 Grassyfork catalogue and this is the first and second they issued. I have a 1931 Beldt's which is beautifully illustrated. Putnam Goldfish issued catalogues and I have three. The oldest is a 1928 which is really mint. I also have some old Jewel Aquarium, Aquarium Stock, Eastern Gardens, Loveland, and Three Springs which are all pre 1945.. I bought a job lot of material from an ex Pet Shop owner in Memphis last year. Imagine my surprise to find three of my General Aquatic Supply catalogues that I had sent out in 1955. The worst part of it was that he had NEVER opened them. The only consolation to this ego crusher was that the postage was only 3¢ each and my secretary who did the work only got \$35.00 a week.. I also collect old price lists and am really only interested in Tropical Fish prices. The most interesting observation I can make about these is the constant amazement at the variety of fish that were on the scene as much as 75 years ago.. A good illustration of this is the hatchet fish on the cover of the 1911 catalogue on the cover..



RBS



# A. Glaschker

Gegründet 1875.

— Leipzig 25 —

Hohl-, Tafel- u. Spiegel-  
Glas, Glasaquarien,  
Terrarien und ver-  
wandte Artikel

## Katalog 18

Januar 1911.

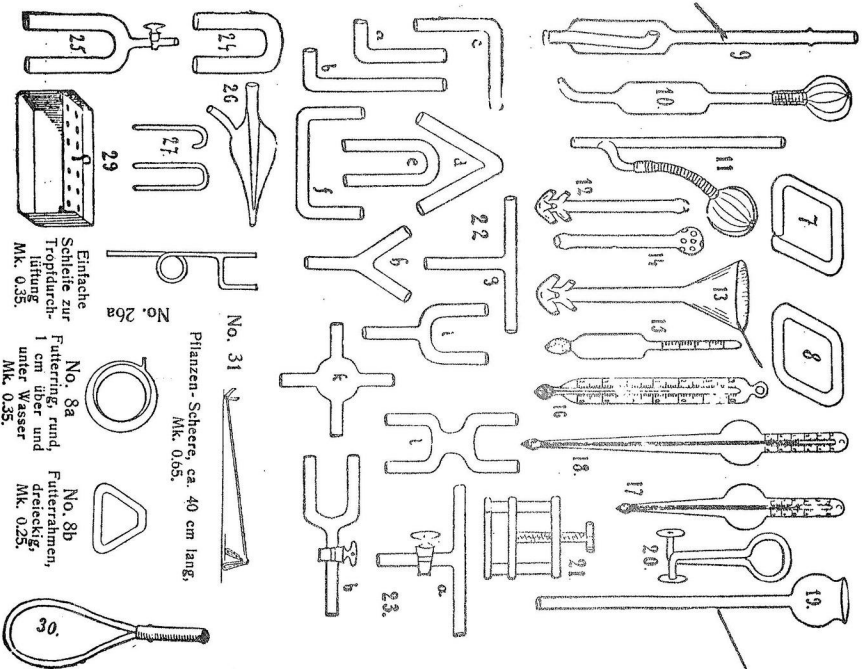
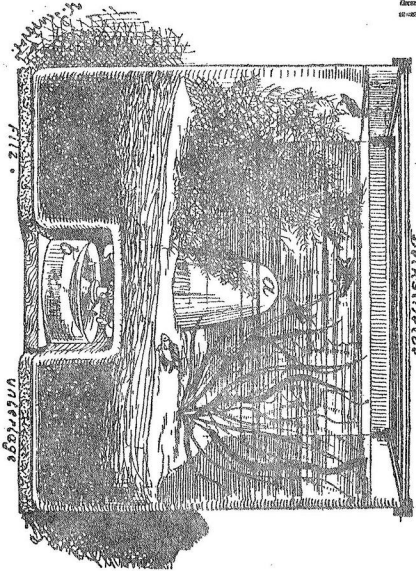
A. Glascher, Leipzig, Tauchaerstrasse 26.

66

D. R.-G.-M.  
No. 537 997, „Thermocon  
Volleges-Aquarium mit Heizkegel und Lampenraum.  
Bequemere und zweckmässiger als alle bisherigen Heiz-Aquarien.  
Neu!

*Deutsche Patente*

I. Preis auf der nationalen Aquarien-Ausstellung  
Berlin 1908.  
Diplom auf der Hamburger Ausstellung 1908.



No. 31  
Pflanzen-Schere, ca. 40 cm lang.  
Mk. 0.65.

No. 26a  
Einfache  
Schleife zur  
Tropfdurch-  
lüftung  
Mk. 0.35.

No. 8a  
Futerring, rund,  
1 cm über und  
unter Wasser  
Mk. 0.35.

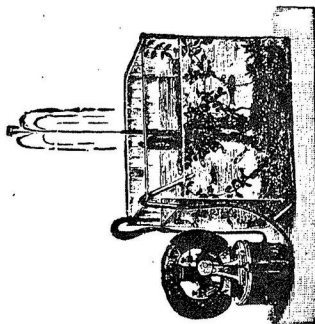
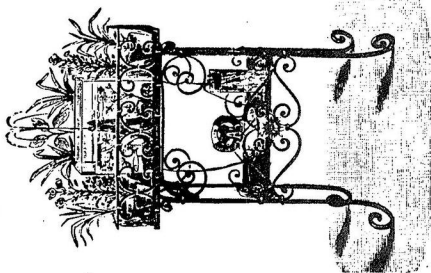
No. 8b  
Futerringmen-  
dreieckig,  
Mk. 0.25.

The illustration above shows a very early and very popular method used to heat an aquarium. This is simply an oil lamp with a more or less controlled amount of heat. The illustration on the left shows a variety of early glass aquarium implements. Remember this was thirty years before any type of plastic was invented—most everything was glass and rubber up to the mid-1930's.

RBS



**Elektrischer  
Zimmer-Spring-  
brunnen „Universal“**



**betrieben mit Cupron-Element. Bester Erfrischer der Zimmerluft  
Reinlichster und einfachster Betrieb!**

Vollkommenster Ersatz für mit Heissluft, Gas, Spiritus etc. betriebene Springbrunnen. Der Apparat läßt sich überall aufstellen, da er absolut geruch- und gefahrlos arbeitet und keiner umständlichen Bedienung bedarf.

Der Wasser-Zufluss und -Abfluss regelt sich selbsttätig und ist nur von Zeit zu Zeit das verunreinigte Wasser zu ersetzen.

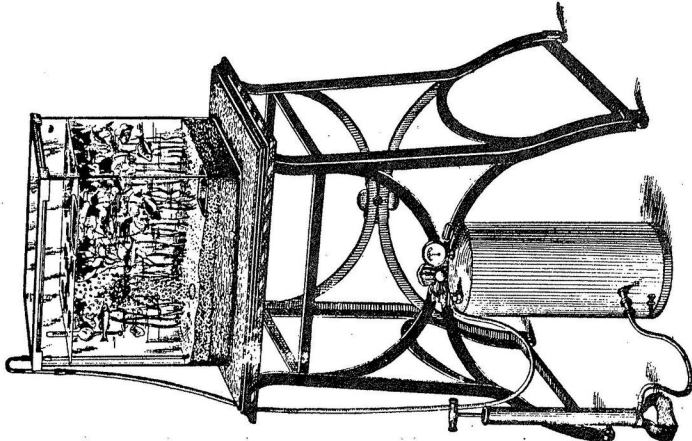
**Modell A** besteht aus folgenden Einzelteilen:

- 1 Elektromotor für 0,8—1,5 Volt Spannung . . . . . Mk. 12,-
- 1 Kleine Pumpe mit Windkessel . . . . . „ 5,-
- 1 Cupron-Element No. 1 . . . . . „ 0,30
- Füllungsmaterial in Blechdosen für 2X-Füllung . . . . . „ 1,50
- 1 Batteriekasten . . . . . „ 1,60
- 1 Anschluss-Schmur mit fertigen Einschraubenden und 3 m Reserveschmur . . . . . „ 4,-
- 1 Glaskasten (nach Abbildung, 36X24X26 cm hoch, für ca. 2 l Ltr) . . . . . „ 1,-
- 1 Tuffstein . . . . . „ 1,-
- 1 Zufluss- und Strahlrohr mit 2 Aufsätzen für 50 cm und 1 m Strahlhöhe . . . . . „ 2,-
- 2 m Verbindungsschlauch . . . . . „ 1,-

Preis des kompletten Apparates (ohne Blumentisch) . . . . . Mk. 34,40  
Gewicht ca. 13 kg. netto.

Die Einrichtungen mittels Luftkessel und Pumpe haben sich bis heute bestens bewährt, da sie unabhängig von der Wasserleitung arbeiten, keine Unterhaltungskosten beanspruchen und stets fertig zum Gebrauch sind. In der Regel genügt einmaliges Aufpumpen für ein bis zwei Tage, je nachdem wieviel Fische der Behälter enthält.

Für Goldfische, Schleierschwänze sowie für alle sehr sauerstoffbedürftigen Fische, ferner für Seewasseraquarien und schließlich für alle Aquarien, welche reichlich mit Fischen besetzt sind, ist diese Einrichtung unentbehrlich. Neben dem Luftkessel und der Pumpe sind nur erforderlich ca. 1-2 m Gummischlauch mit (Durchmesser ca. 5-6 mm), sowie 1 Durchlüftungsrohr mit Ausströmungskörper. Preise hierfür S. 17. Luftkessel und Pumpe können natürlich auch anderen Zwecken dienstbar gemacht werden.



Preise der Luftkessel etc. s. nächste Seite.  
Preise der Ständer s. S. 27.

The left side of the page illustrates an early method of aerating an aquarium. While electricity was discovered and used by 1908 it was uncommon. The right side shows a battery operated device for the same purpose. My knowledge of early electrical motors is almost non-existent and perhaps someone would tell us more about this??

A.S.

WANTED BY JON R. CONANT 336 Hillside Ct., Vista, Ca. 92083

"Aquariana" - 1932-33  
"Aquarist & Pondkeeper" - 1976, Vol. 41, #5 on to current  
"The Aquarium" - Mulerstt, 1878-1897 (8) Vol. 1-4  
"The Aquarium" - 1912-14  
"Aquatic Life" - Vol. 20 (5-12) 1936-7; 1940 on to end -1933 (#23), 1934-37  
"Blaetter fur Aq. und Terr." - 1893, 1894, 1895, 1896, 1909, 1915, 1921, 1922, 1926, 1928  
"D.A.T.Z." - 1948-Sept, Oct., Dec.; 1960-F., Mar., May, Jul., Dec.; 1961-Jan.  
"Fish Fancier" - Los Angeles (1950's?)  
"Home Aquarium Bulletin" - 1932-36  
"New York Aquarium Journal" - 1876-77  
BOOKS: Brind-"Domesticated Fish", 1913, "The Practical Fish Fancier" -1919  
Gosse-"The Aquarium. . .", 1854, "Handbook of Marine Aquarium"-1855  
Hibberd-"Rustic Adornments. . .", "The Book of Freshwater Aq.", ". . . Marine Aq."-  
Humphreys-"Oceans Gardens. . .", "The River Gardens"-1857 -1856  
Ladiges - "Tropical Fishes"-1934  
\*Rachow - "Handbuch der Zierfischkunde"-1928  
Tappan- "Aquaria Fish"-1911  
Uhlig - "75 Ideal Tropical Fish"-1934  
ALSO PRE-1900 by: Bairstow, Bennett, Collier & Hooper, Dean, Eggeling & Ehrenberg,  
Hughes, Harper, Lankester, Leach, Martin & Weston, Page, Roberts, Rossmassler, Taylor, -  
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1980 April thru Dec; 1981 Jan thru May; Today's Aquarist- vol 2#3  
Water Life- 1947 Feb (vol 2 #1); numerous issues of- Af. Aquarist,  
American Currents, Aquariana, Aq. and Pondkeeper, Aquarium,  
Aq. Journal, Aquatic Life, Delta Tale, Finchat, Flare, JAKA,  
Lateral Line, PTFITrader, Tropicals, etc.  
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Vol. III, No. 2, 1982...\$3.00  
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6-1,2,3,4,5,8,9.			1933
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8-1,2,3,4,5,6,7,8,9,10.			1935
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10- 9.			1937

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Aquarium - series 5, one issue, May, 1973.  
Aquarium Illustrated - March/April, 1966.  
Aquarium Journal - January, February and March, 1950.  
Aquarium News ( 1930s ) Rochester, New York, 1934 - 1938. - all issues.  
Aquarium News ( Newspaper ) February, 1976, July, August, 1977 and December, 1978  
Aquatic Life and supplements - most issues.  
Aquatic News ( Toronto 1925-26 ) - all issues.  
Brooklyn Aquarium Society Bulletin ( 1911-19 ) - all issues.  
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FAMA- Dec 88

Fish Life- V1 N2  
Ichthyologica- V37 N1 and all of V39  
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