

CAT CHAT

The Journal of the Catfish Study Group (UK)

In this issue

Another first in English!

Nomenclator of the family
Loricariidae Rafinesque, 1815
(Teleostei, Ostariophysi)

By Isaac J. H. Isbrücker

Plus

Notes on Breeding *Hypancistrus zebra*

Courtesy of <catfishcorner.com>

and

Meet the Member

Volume 3 Issue Number 1
March 2002

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(Teleostei, Ostariophysi)**
By Isaïc J. H. Isbrücker

The Editors Bit

Dear Members

Happy New Year! Another day older and deeper in dept (as the song goes).

Never mind, look on the bright side.

In the last journal, I pleaded for articles and boy, did I get some! The next journal is also nearly complete. Is this the sign of things to come and can catfish keepers write? You bet. I've even got an article from the Hon Pres, Trevor Morris, moving house. Still, all this and more in the next issue.

As you will see, this Journal is mostly taken up with the nomenclature of Loricariidae by Isaïc Isbrücker. The first time in English or an English publication. It may help to sort out the confusion with all the names that are currently being bandied about.

I had some 'fun' with this article when putting it into my program. It completely lost all formatting. I resolved just about all of it but unfortunately there is one item that I missed on Page 20 (that I am aware of).

Liposarcus varius Cope, 1872, currently *Liposarcus pardalis* - should be shown in italics thus: *Liposarcus varius* Cope, 1872, currently *Liposarcus pardalis* - I apologise to

Isaïc for this error but I spotted it too late to change it.

As you may know, if you keep your ear to the ground, the Group is currently on the lookout for a new Treasurer. I gave notice of my intentions at the AGM 2001 and unfortunately, at this time, there are no volunteers. Like an actor, I was once resting between jobs and made the mistake of taking on too much for the Group. I was Secretary, Treasurer and Editor all at the same time and then I became employed. From that time on, 'er indoors made it quite clear that I was spending too much time elsewhere. I am now studying and taking exams and my own time is of the essence. Being the Treasurer is an important job but it is not too busy if you stay on top of it and some of the ladies in the bank are quite attractive. Well, they are in mine!

Articles and pictures can be sent by e-mail direct to <bill@catfish.co.uk> or by post to

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From the Chair



Welcome to the first issue of 'Cat Chat' 2002. As far as the group is concerned the year is well under way. It started off in style with an extra meeting on the 6th January, when we took full advantage of long-term member Michael Hardman who returned home from the USA for Xmas. The meeting took the form of a Mini Convention and was made into a free to all comers event, which proved to be the right decision, judging by the good attendance. The subjects of Michael's talks were, the Catfishes of North America and Catfish Taxonomy. The talks were very well received by all and created much discussion afterwards.

January 20th: This was the AGM, the one meeting that everyone traditionally tries to avoid in case they get roped into a job. The result being that the attendance this year was very low, bordering on abysmal. Other than re-electing the officers, the AGM is the major forum for expressing opinions, implementing new ideas and changing Rules etc. So, those members who have had the odd moan about how things have been done at meetings over the last year - Where were you? If you cannot even be bothered to turn out to express your point, there can't have been anything worth moaning about in the first place. How about putting your points of view on paper to the Secretary. If no one turns up at AGM's to tell us what they would like to see happen or not, as the case may be, then the committee will have to make all the decisions without you. If there are those of you who disagree, you must speak up formally. It's your Group and your money, so the least you can do is make the effort once a year to tell us what you want, or even just offer some practical help. This brings me onto my final point which is the lack of response to our request for a new Treasurer. Bill has done the job and very well I may add, for the last five or six years and now wants to stand down to concentrate his efforts on the magazine. No one can say they did not know that the position was open as it was well publicized in the last two magazines as well as being announced at last years AGM. We have well over one hundred members and many of you live within easy reach of our base at Wigan. Surely there is one of you who can manage an hour or so of your time each month to take care of the Group's finances. Without a Treasurer, the Group will cease to function efficiently. It's now up to you.

February 17th was Convention day and yet again it proved to be a very successful event. The day's activities got under way at 1130 with one of our Brian's superb audiovisuals. Oliver Lucanus, our guest speaker from Montreal, Canada, started by giving us an excellent talk on catfish habitats, showing us some

excellent slides of a wide variety of species and environments, including non-catfish species that inhabit the same areas. Member Robin Warne, from Huddersfield, gave the second talk of the day which was based on his recent collecting experiences in Peru. His talk included a first in that the pictures were presented in digital format. Perhaps this is the way to go in the future. After the lunch break it was to be Oliver's second talk but we decided to make a slight change by making a few group and general announcements, then making the customary presentations to our speakers. Both of them were presented with superb catfish carvings produced by our very own expert wood sculptor Brian Walsh (a *Sturisoma* for Robin and a *Pseudacanthicus* for Oliver). Oliver's second presentation was also a change from the norm. He took four alleged fish experts from the audience, Julian Dignall (Planet catfish), Andy Taylor (BAS), Pete Liptrot (Bolton Museum) and Derek Lambert (Editor of Today's Fishkeeper) and, acting as compere, proceeded to show his second presentation of slides. Instead of talking about each picture himself, he presented the microphone to each expert in turn for them to talk about the fish on the screen with Oliver interjecting when the experts were stumped for an answer. All in all I think the session went very well. All we have to do now is maintain the standard for next year.

Finally I would like to thank all the people who helped on the day to make it a successful event especially Roy and Dave on the Bring and Buy, Dave and Lois Speed for looking after the membership renewals, Terry Ward for his superb efforts with raffle ticket sales in spite of the fact that he is still not fully fit and finally the canteen staff who performed magnificently as usual, providing endless refreshments to all. Last but not least, a thank you to those companies which have helped to sponsor the event, Petzone, BAS and Aquarian for their raffle prizes and Barlow Aquatics for supporting us with a trade stand. IF

Notes On Breeding *HYPANCISTRUS ZEBRA*

Courtesy of <catfishcorner.com>

I was not a fish keeper in 1997 when I saw my first "Zebra Pleco". They were hanging out among the small, perfectly stacked pieces of slate on the bottom of a 75-gallon tank in the apartment of my neighbour, Jeff. I became so enamoured with the fish that I made up reasons to visit him. During one of these visits, I ventured to mention an old dream of keeping a few goldfish in a 20 gallon long aquarium. A few days later, after a trip to Jeff's basement where he kept his collection of once-used equipment, I had everything I needed - bought the goldfish but imagined them with black and white stripes. Jeff had collected what few articles he'd run across in the three years he'd kept his trio of *Hypancistrus zebra*. There was little information available so what he had, we revered as TRUTH. We discussed all the care and feeding issues but always returned to the basic and first questions: "Is there a pair?" and "How do we get them to spawn?" As to the former, Jeff could quickly spot the male and declare which of his 2 females was gravid. It was not bravado. He can come to my house today and accurately do the same thing with my fish. Some people have it...

By the spring of 1999 I had developed into both a novice fish keeper and an Internet junkie. These two new worlds were explored simultaneously. To be a fish hobbyist is to be an Internet explorer and vice-versa. The two are interconnected. It seems natural then that when I was ready to buy my dream fish, I would shop in cyberspace. The other, somewhat more practical reason, was the local fish store prices on wild caught *Hypancistrus zebra* started at \$45.00 each.

The experience of ordering fish on my computer and then shipping them through the United States Postal Service (or any other service) still makes me grin. The fact that a fish can live in a bag, be sent in a box, fly hundreds of miles at 30,000 feet and arrive alive after no less than 24 hours is some kind of what? Magic? Opening a shipped fish box is like pulling rabbits out of a hat to me. When mine arrived, I pulled out 4 rabbits. Unfortunately, only three made it, 2 males and a female. The trick was and remains, faulty. It's important to note that only one of these first 4 fish (the

dead one was immediately replaced) is involved in the spawning event 15 months later which prompts the writing of this article. In all the other research I've done, this percentage does not present itself as unusual. It is even reflected in my tanks today. If you plan to purchase or continue maintenance on a group, consider the possibility that only 1 in 4 fish are sexually active. Your odds of success are then proportionately better if you have more fish (universal truth).

Of all the sometimes wrong, sometimes inspired tricks I tried over the next 13 months, I've come to believe that only a few of them really matter. I say that, in part, due to the things I learned from one of the two people I know, through correspondence, who has spawned *Hypancistrus zebra* - Carol Ann Nellen.

In September 2000, Carol Ann anonymously contacted Wendy McKenna, a trading friend of mine near San Francisco, California. She wanted to sell her "Breeding Adult Zebras". Wendy immediately contacted me. Through a series of events, I became the owner of 4 of these fish. Their story deserves an article of its own but for now I include these edited e-mail excerpts. Know that Carol Ann's fish ranged from 1.5 years to 7 years of age at the time. She had 6 adults and was recently finding spawn and/or fry about every 6 months.

Information contained [in] brackets is mine, gleaned from other conversations.

Tank: 36 inches long, 17 inches high, 12 inches deep [29 gallons]. Equipped with an undergravel filter, 2 large power heads, a large canister filter and custom hood with special high intensity lights. Lights came on at 7 am and went off at 7 pm. Since these are fast water fish, I made sure there was plenty of water flow. Gravel was a mix of natural and minor dolomite about 2 to 3 inches thick. Good sized pieces of driftwood with many zebra size creases and holes were piled so high that some of it stuck out of the water. One little tank cleaning *Otocinclus* and lots of live plants completed my setup.

I used city water that I conditioned. Generally this [South San Francisco water] is sometimes mixed with well water, very hard and very alkaline. I adjusted to a pH [with a brand name pH reducer] of about 6.5 and used [brand name water conditioners]. Water was

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kept between 80 and 83 degrees. When I changed water - 1/3 to 1/2 volume every second or third week - I'd sometimes put new water in at a little warmer temperature. Breeding was often initiated after a water change. Zebras were fed flakes and tablets only. Once in a LONG while, I'd throw in an algae wafer but I don't think they appreciated it.

When I discovered eggs, between 5 and 7 at the time, usually while making a water change, I removed them and placed them in a quart Mason jar with water from the tank. I also put in a splinter of driftwood and a piece of live plant in the mason jar with the eggs, but made sure no snails or snail eggs were on these. I put an air stone covered with some filter wool about 2 inches above the eggs and put a piece sheer curtain material or any other thin light porous fabric over the top of the Mason jar. I just used a rubber band to keep the material and airline in place. The jar is placed back in the tank, resting firmly on the gravel bottom.

The air stone was a surrogate father. The curtain material covering the jar top kept any snails or other fish away from the eggs. The air stone tubing may have to be crimped a little to keep a light bubble. You want the air to escape through a pinhole in the material as a small stream of bubbles, not get trapped under the material and "burp" hugely. If the air is too forceful, the eggs get banged about and the water from the tank is not exchanged well with the water in the jar.

The big white eggs hatch in about a week. Without good eyes, you may not even notice that the babies have hatched. They look like a little wiggly hair on top of the egg. As they use up the yolk sac, they start to get their black and white stripes.

Within a week, they look like tiny adult zebras. They will not be able to move about or eat until most of the egg sack is absorbed. I fed the babies [brand name fry food]. Careful not to overfeed. If you notice any competition between babies or there is a very large clutch of eggs, you may want to separate the kids and use more than one Mason jar.

If there were only zebras in my tank, I let the babies loose in the tank when they were about 1/4 inch or more long. To play it safe, I covered the intake of the canister filter with filter wool so the babies would not be accidentally sucked into the filter. I changed the filter wool every other day. Also make sure that the usually unused air tube openings on power heads are blocked so that the babies will not be sucked into the power heads through those small openings.

I tend to overfeed my fish and rely on the good filtration system and water changes to keep the water quality up. The babies seemed to find plenty to eat in the tank. Adult zebras don't hurt the babies from my experience and the babies seem to hang with the

adults for protection.

Carol Ann Nellen. Fall, 2000.

Thirteen months after receiving my first zebras in the mail and trying every trick I could to get them to spawn, I discovered a surprise birthday package in their tank. The following e-mail (to fellow Milwaukee aquarist, Tom Wojtech) acts as a snapshot of the conditions on August 20th, 2000,

Tom,

My Hypancistrus zebra spawned last night.

pH = 7.0

Temperature = 80 degrees

15 days since last water change (I was in the middle of an experiment) LOTS of current in a 15 tall.

Black worms and "Carnivore" pellets every other day (and then too much)

I believe the pair that spawned are from a trio I bought 13 months ago (and were about 2" at the time).

2 others in the tank.

No obvious weather activity.

Maybe a dozen 4 mm eggs discovered during a water change.

First spawn.

R/O to tap mix at 40 ppm.

1 ceramic cave/vase (for the dominant male to CLAIM) buried amidst "Lace" rock.

I was not entirely surprised by this event. The older female was quite gravid and there was a marked increase in activity over the final few days. The spawn was infertile, but that was not surprising either. It was their first spawn and I actually half expected it. The thing that DID surprise me (and eventually helped convince me that conditions did not have to be PRECISE at all times) was that the spawn occurred under pretty poor tank conditions. My e-mail mentions an experiment. I was in a very simple "Let it go" mode. The big pay-off WAS to be triggered by a big, cool, Corydoras-like water change sometime in the next week.

45 days later, with my 4 fish combined with the "new" 4 from Carol Ann, the pre-spawn activity began again. The time between noticing the activity and the departure of the female can take 3 days! This time it was my older female (the same as in August) courting the apparent Alpha male of Carol Ann's. The two challenge and wrestle and line themselves up (in my tank it happens in a cave/vase). The female lays the eggs and is chased out by the male who then moves in/over to fertilize them. If you have ever kept and spawned any of the bristlenose Ancistrus, the activity is identical. Once the male is "on guard", he is almost impossible to remove and you don't have to if you use

a portable cave/vase device. You can, as I did, remove the entire item, male and all, into an isolated incubation tank with similar water conditions.

On the third day after spawning, I was surprised to find 3 escaped wigglers. These fry never returned to the vase and gave me a perfect 'control' by which to gauge the growth of those remaining in the vase. On the 11th day after spawning, I decided to forcibly remove the male. 13 fry tumbled out to join those that had developed on their own. 15 stripy little sac-bound miniatures at nearly 3/8". One of the escapees died. It was my only mortality.

There are excellent egg and fry development pictures in the January, 1996 TFH magazine article, "New Information on the Zebra Pleco". Do not, however pay too close attention to the captioned day counts. The rate the fry use up their egg sacs seems temperature related. As my zebras spawned in slightly less than recommended temperatures, the fry were raised in the same way. I became concerned when the "control" fry still had huge sacs when the pictures indicated they should be gone. I even posted a few panicked messages on the Internet about it. In retrospect, I am tempted to believe that these lower temperatures (under 84) might help the fry development by slowing the process. Yolk sacs might "burn-up" too quickly in warmer temperatures. Underdeveloped fry may die of starvation. This is just a theory, I'm in no position or mood to try and prove it.

I did not feed my fry while they were sac-bound. Some suggested that baby brine shrimp would be a good food at this time. I disagree. Sac-bound fry do not eat. Food only fouls the water. Once they were sac-free, they ate like pigs but only for a few days. They quickly became night only feeders. By week 6 they were being fed on the same schedule as the adults, with heavier feeding on one night and lighter feeding on the next.

I'd like to include here what information I have about the 2 remaining adults of Carol Ann's. Her entire setup, as described in her e-mail excerpts, was sold to Jan Carpenter of Fremont, California. Jan maintained the setup as Carol Ann had and was quickly rewarded. Here are some e-mail excerpts.



Kevin,

I just went to clean out my zebra tank and 3 babies about a quarter inch long dropped out of a piece of driftwood!!! Somebody's been busy in there.

Judging by the '96 article (TFH), I'd say they're about 2-3 weeks old given their size and evident striping. Those little sneaks, I never saw a clue that they were breeding in there. I can't wait to run this experiment again and actually see the eggs and know what's going on. I guess the babies found something to eat, I wasn't giving them anything special during their infancy. The article suggested feeding baby brine shrimp but at this point I think they might be too big to eat them. They look more like they could handle adult shrimps.

Jan eventually found a total of 8 fry but wrote me this news about 7 weeks later:

I still have one zebra baby alive and thriving. The problem seems to have been a very high nitrite count.

When I did water changes, I did very small changes with tap water and counted on the tempering effect of the driftwood to correct the pH, which apparently it did since the pH was 7.0 when I tested it [Jan reports her tap water pH at over 8.0].

Since I was doing such small water changes on both tanks, I wasn't cleaning the gravel well enough - hence the high nitrite. This, I believe, caused the death of the other 7 babies.

When I told you of all the meat alternatives I was offering as food, it was because I saw no interest in the meat I offered. I was desperate to find anything that might interest them because I thought they must be starving. I now believe that the nitrite was making them so ill that they had no appetite. Currently he [the surviving fry] eats blood worms, microworms (oddly) and daphnia among other meat choices. I think he is now eating the brine shrimp too, but am not sure. At best, he does not prefer it.

I have the vases in the big tank, but I think the adults were also feeling the effects of the high nitrite count, and have not reproduced again. They have, to date, shown no interest (even passing) in the vases. I'm guessing that it will take them a bit to get back to normal.

On temperature: The temperature in the big tank was 84.4 of the 8 fry died in there before setting up the 5 gallon [hospital tank]. The 5 gallon was at 82 degrees. Now I keep it at 86. I think the babies like the warmer water even more than the adults.

On aggression: I don't know about removing the adults. I often saw the little guys hanging out with the adults and no one seemed to mind. In fact when I first found them, there were 2 young hanging out with an adult in a hole in the log. I suspect that if

there's enough space and hiding places, they don't get as protective of territory; especially with young ones. I've never seen any aggression towards my 2 adolescents either and they're about half grown now. Then again, maybe they just didn't feel up to the task of running off the competition. Not enough good data yet on my experiences.

On pulling fry: I wish I knew how many eggs hatched in my clutch. I found 8 babies but don't know how many I may have started with. That might give some indication of how dangerous or innocuous the adults are toward babies. In keeping with the "better safe than sorry" strategy, it certainly wouldn't hurt to isolate the babies. Another thing to consider, maybe the other adults didn't like having fry around that were not their own. I have 3 adults and 2 juvenile zebras in the 30" long tank but there are thousands of places to hide in there too.

I'll end this now overlong article with what, in my opinion, are the basic requirements for the best shot at breeding *Hypancistrus zebra*.

- 1) Have a young adult pair. As I mentioned earlier, only the one female of my original 4 fish was (and still is) spawning. That's a 25% probability. Of the 4 adult fish of Carol Ann's that I bought, only one has been involved in a successful spawn. Same odds. If my experience is representative, 2" fish need another year or more of conditioning. Jeff's 3 remaining fish, over 6 years old now, have never (apparently) spawned and have remained about 3 inches. Carol Ann's fish, some of which may be 7 years old and nearly 4 inches, are big, beautiful adults but may be past their prime. There is too little information known to say for sure.
- 2) Feed meat. I suspect the main difference in clutch size (and possibly in spawn frequency) between the two groups was diet. Mine were fed Black worms and frozen bloodworms regularly. I tried beef heart once but ended up having to vacuum it all up. I've also fed "Carnivore" pellets and small chunk trout chow. All of these foods are very rich and fatty. I have slowly developed an every other (or 3rd) day attitude about feeding the adults. They just don't need to eat that much when they eat that well.
- 3) My first spawn occurred in 80-82 degree water. I do not suspect that the higher temperatures recommended in the earlier TFH articles are critical but I have not tested the theory. I currently keep my breeding tank at 84 to 86 degrees. Remember too that uneaten food rots quicker and algae blooms faster in water this warm.
- 4) Current is needed, if for no other reason than it reflects the native conditions and aides aeration. It has been my experience however, that they tend to hide a little more in the higher current. When Jeff

turns his power head off to feed, his zebras come out and wait!

- 5) Breeding caves/vases are optional. I would not set-up without them now that I've used them. Carol Ann and Jan were successful without them. In a previous BAP article I explained how I built some vases for another cave spawner. The process is simple. The vase, a simple 8-inch clay item readily found in grocery stores and pharmacies, needs its bottom sawn off. The other, smaller end (the original top) is then plugged up with whatever is handy. The final effect is a small funnel with a wide 3 inch opening and no exit. These are the vases my zebras are using now. They were designed after the 'higher tech' knick-knack item known locally as Buoy Bells. They're named for the design of a floating marina buoy on their side. These items are a regional phenomenon and available through the hobbyist who bought the rights to reproduce them. The zebras seem to choose their favourite cave/vase based on its position relative to the powerhead current. It appears that individual fish (males) have individual preferences, or maybe the dominant male gets the place they all want and the rest choose from what's left. I do not know the answer. The only things I notice consistently are that no one chooses the cave/vase facing the current, nor do any healthy ones choose to be away from the group in some isolated corner of the tank. Some will hang on the fringes of the group, but always WITH the group.

FINAL NOTE:

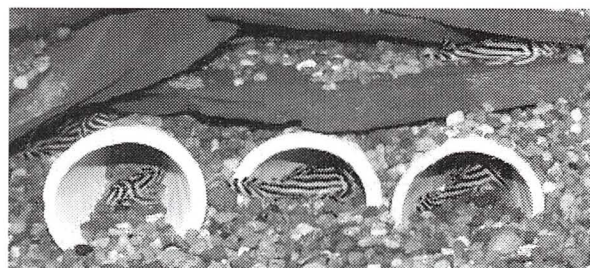
Another spawn occurred exactly 45 days after the one that yielded the 15 fry. I allowed the male to stay with this cluster. The adult female was also present. I never saw how large the egg ball was, but have no reason to believe it was any smaller than the last two.

On the 18th day, the male allowed two fry out of the vase. They were the only two to make it. Ask me in 6 months why I think this happened. I'm bound to have an opinion by then.

ADDITIONAL INFORMATION:

Sue and Craig Dalton's website:

<http://homepages.ihug.co.nz/~zebra/>



"Suckermouth Catfish of the Ancistrine Group" from Ancistrinae Internet Lecture from

<http://www.planetcatfish.com/icoso/index.htm>

"Catfish of the Month" November 1997 from

<http://www.planetcatfish.com/cotm/1997-11.htm>

"Imperial Pleco" Newsgroup excerpts from

<http://www.thekrib.com/Fish/zebra-pleco.html>

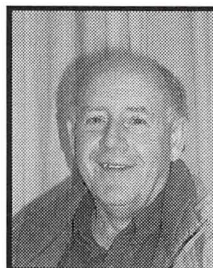
"The Sorrows of Stripes and Smudge" TFH Magazine, September 1993

"Zebra Plecos" TFH Magazine, September 1995

"New Information on the Zebra Pleco, Hypancistrus Zebra" TFH Magazine, January 1996 Submitted by Kevin Korotev

Contributions from Carol Ann Nellen, South San Francisco, California and Jan Carpenter, Fremont, California.

Written December 2000 by Kevin Korotev for **SPLASH**, the official publication of the Milwaukee Aquarium Society, INC.



MEET THE MEMBERS

Tom Gray

A regular member at our monthly meetings from the Northeast

I first started keeping tropical fish in 1978 when my son got a second hand tank. Since then things have changed, I now have 32 tanks ranging from 18" to 48" in size.

One of my main interests are the North American native fish (Shiners, Darters and Minnows). Unfortunately these fish are rarely imported into the UK any more. This is probably due to the threat to our own native fish when inconsiderate people release the American fish into the wild over here.

My other interests include Botias, Loaches, South American Tetras, Goldfish/Koi and Corydoras.

During the last two years, I have been converted to the joys of keeping catfishes by my two travelling partners, also from the Northeast, and I now have a large variety in my collection.

Since starting to keep fish, the hobby takes up much of my spare time. I am a Federation of British Aquatic Societies (FBAS) judge, Chairman of my local society, Cramlington Aquatic Society and, more recently, a member of the Catfish Study Group. The Catfish Study Group is one of the best clubs I have joined. I regularly attend the monthly meetings and I find that the other members will help with any problems and readily give advice and swap ideas with those who either breed fish, or lose them from unknown circumstances.

I do not show my fish as often as I would like but that is due to the fact that I judge at most of the local shows and if my fish won, I think I might have a problem.

I have bred quite a lot of the fish I keep and I also collect wild fish on my holidays in different parts of the world, which certainly adds to the enjoyment.

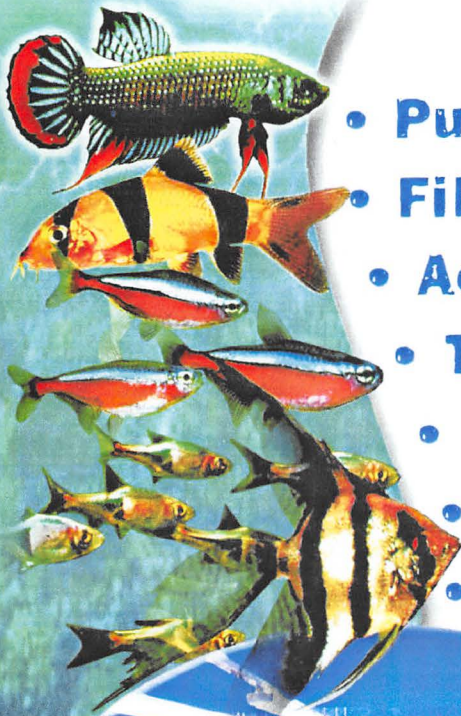
Date	FORTHCOMING EVENTS	Venue
Apr 28	<u>Judging and Showing</u> A practical seminar on all aspects of judging and showing catfish. Members to bring any catfish large or small. Brian Walsh & Ian Fuller	St Elizabeth's Church Hall, Aspull.
May 19	<u>(Cat)Fish Photography</u> Bring along your cameras and your fish to photograph. Danny Blundell	St Elizabeth's Church Hall, Aspull.
Jun 16	<u>Live foods</u> Brian Walsh; Natural live foods. Joe Boardman; Cultivated live foods.	St Elizabeth's Church Hall, Aspull.

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Nomenclator of the 108 genera with 692 species of the mailed catfishes, family Loricariidae Rafinesque, 1815 (Teleostei, Ostariophysii)¹⁾

By Isaïc J. H. Isbrücker²⁾

Introduction

This catalogue was recently also published in Datz Sonderheft Harnischwelse 2 (meaning Datz Special Issue Mailed Catfishes 2; Isbrücker, 2001). This is the first English version. It includes the scientific names of all known (sub-) genera and (sub-) species of Loricariidae with their author(s) and year of publication. The currently correct names are printed in bold type. Synonyms are in italics. Reference is made also in italics either to which genus the various species are now assigned or to their senior synonym.

In the same issue of Datz, Isbrücker, Seidel, Michels, Schraml & Werner also published diagnoses of fourteen new genera, while one old genus name was re-established: *Hemiloricaria* Bleeker, 1862, hitherto treated exclusively as a junior synonym of either *Loricaria* or *Rineloricaria*. One new substitute name (nomen novum) was issued.

Acknowledgements

Thanks to Elsbeth Zwart (Amsterdam), to J. Pieter Michels (Amsterdam), Hans-Georg Evers (Hamburg), Erwin Schraml (Augsburg), Ingo Seidel (Berlin), André Werner (München), and to Dr Richard van der Laan (Utrecht) for their kind support.

Genus **Acanthicus** Agassiz, 1829

Acanthicus adonis Isbrücker & Nijssen, 1988

Acanthicus canensis Meek & Hildebrand, 1913,
currently *Leptoancistrus canensis*

Acanthicus hystrix Agassiz, 1829

Genus *Acanthodemus* Marschall, 1873, currently
Parancistrus

Genus *Acestra* Kner, 1853, currently *Farlowella*

Acestra acus Kner, 1853, currently *Farlowella acus*

Acestra amazonum Günther, 1864, currently
Farlowella amazona

Acestra gladiolus Günther, 1864, currently *Farlowella
amazona*

Acestra gladius Boulenger, 1898, currently *Farlowella
oxyrryncha*

Acestra knerii Steindachner, 1883, currently *Farlowella
knerii*

Acestra oxyrryncha Kner, 1853, currently *Farlowella
oxyrryncha*

Genus **Acestridium** Haseman, 1911

Acestridium dichromum Retzer, Nico & Provenzano,
1999

Acestridium discus Haseman, 1911

Acestridium martini Retzer, Nico & Provenzano,
1999

Genus **Acipenser** Linnaeus, 1758, family
Acipenseridae

Acipenser plecostomus Linnaeus, 1758, currently
Hypostomus plecostomus

Genus **Ancistomus** Isbrücker & Seidel, 2001

Ancistomus snethlageae (Steindachner, 1911)

Genus **Ancistrus** Kner, 1854

Ancistrus aguaboensis Fisch-Muller, Mazzoni &
Weber, 2001

Ancistrus albocinctus (Ahl, 1936)

Ancistrus alga (Cope, 1872)

Ancistrus annectens Regan, 1904, currently
Hemiancistrus annectens

Ancistrus barrae Steindachner, 1910, currently
Megalancistrus barrae

Ancistrus baudensis Fowler, 1945

Ancistrus bodenhameri Schultz, 1944

Ancistrus bolivianus (Steindachner, 1915)

Ancistrus bovallii Regan, 1906, currently *Lithoxus
bovallii*

Ancistrus brachyurus Kner, 1854, currently

¹⁾ Cat Chat, volume 3, number 1, 17 March 2002

²⁾ Isaïc J. H. Isbrücker, Vertebraten, Ichthyologie, Verzameling Vissen, Zoölogisch Museum Amsterdam, Universiteit van Amsterdam, Postbus 94766, 1090 GT Amsterdam, Nederland.



*Zonancistrus brachyurus***Ancistrus brevifilis** Eigenmann, 1920*Ancistrus brevifilis bodenhameri* Schultz, 1944, currently *Ancistrus bodenhameri***Ancistrus brevipinnis** (Regan, 1904)**Ancistrus bufonius** (Valenciennes, 1840)**Ancistrus calamita** (Valenciennes, 1840)**Ancistrus caucanus** Fowler, 1943**Ancistrus centrolepis** Regan, 1913**Ancistrus chagresi** Eigenmann & Eigenmann, 1889**Ancistrus cirrhosus** (Valenciennes [1836])
Ancistrus cirrhosus dubius Eigenmann & Eigenmann, 1889, currently *Ancistrus dubius**Ancistrus claro* Knaack, 1999*Ancistrus clementinae* Rendahl, 1937*Ancistrus coquenani* Steindachner, 1915, currently *Pseudancistrus coquenani***Ancistrus cryptophthalmus** Reis, 1987**Ancistrus cuiabae** Knaack, 1999**Ancistrus damasceni** (Steindachner, 1907)**Ancistrus dolichopterus** Kner, 1854**Ancistrus dubius** Eigenmann & Eigenmann, 1889**Ancistrus erinaceus** (Valenciennes, 1840)**Ancistrus eustictus** (Fowler, 1945)**Ancistrus formoso** Sabino & Trajano, 1987*Ancistrus fuessli* Steindachner, 1911, currently *Dolichancistrus fuessli***Ancistrus fulvus** (Holly, 1929)**Ancistrus galani** Perez & Vilorio, 1987*Ancistrus gibbiceps* Kner, 1854, currently *Glyptoperichthys gibbiceps**Ancistrus guentheri* Regan, 1904, currently *Pseudancistrus guentheri***Ancistrus gymnorhynchus** Kner, 1854**Ancistrus heterorhynchus** (Regan, 1912)**Ancistrus hoplogenyus** (Günther, 1864)**Ancistrus jelskii** (Steindachner, 1876)**Ancistrus latifrons** (Günther, 1869)**Ancistrus leucostictus** (Günther, 1864)**Ancistrus lineolatus** Fowler, 1943**Ancistrus lithurgicus** Eigenmann, 1912*Ancistrus lituratus* Kner, 1854, currently *Glyptoperichthys lituratus**Ancistrus longimanus* Kner, 1854, currently *Pterygoplichthys etentaculatus***Ancistrus macrophthalmus** (Pellegrin, 1912)**Ancistrus maculatus** (Steindachner, 1882)**Ancistrus malacops** (Cope, 1872)**Ancistrus maracasae** Fowler, 1946**Ancistrus martini** Schultz, 1944**Ancistrus mattogrossensis** Miranda Ribeiro, 1912*Ancistrus mattogrossensis* Miranda Ribeiro, 1912, currently *Ancistrus mattogrossensis**Ancistrus medians* Kner, 1854, currently *Hemiancistrus medians***Ancistrus megalostomus** Pearson, 1924**Ancistrus melas** Eigenmann, 1916**Ancistrus minutus** Fisch-Muller, Mazzoni & Weber, 2001**Ancistrus montanus** (Regan, 1904)*Ancistrus multiradiatus alternans* Regan, 1904, currently *Liposarcus ambrosettii***Ancistrus multispinis** (Regan, 1912)*Ancistrus multispinis* Holly, 1929, currently *Lasiancistrus multispinis**Ancistrus mystacinus* Kner, 1854, currently *Lasiancistrus mystacinus***Ancistrus nudiceps** (Müller & Troschel, 1848)**Ancistrus occidentalis** (Regan, 1904)**Ancistrus occlloi** Eigenmann, 1928*Ancistrus pictus* Kner, 1854, currently *Zonancistrus pictus***Ancistrus pirareta** Muller, 1989**Ancistrus piriformis** Muller, 1989*Ancistrus planiceps* Meek & Hildebrand, 1913, currently *Lasiancistrus planiceps**Ancistrus pulcher* Steindachner, 1915, currently *Zonancistrus pulcher***Ancistrus punctatus** (Steindachner, 1882)**Ancistrus ranunculus** Muller, Rapp Py-Daniel & Zuanon, 1994**Ancistrus rothschildi** (Regan, 1905)**Ancistrus salgadae** Fowler, 1941, *incertae sedis**Ancistrus scaphirhynchus* Kner, 1854, currently *Dekeyseria scaphirhyncha**Ancistrus snethlageae* Steindachner, 1911, currently *Ancistomus snethlageae***Ancistrus spinosus** Meek & Hildebrand, 1916**Ancistrus stigmaticus** Eigenmann & Eigenmann, 1889**Ancistrus tamboensis** Fowler, 1945**Ancistrus taunayi** Miranda Ribeiro, 1918**Ancistrus tectirostris** (Cope, 1872)**Ancistrus temminckii** (Valenciennes, 1840)**Ancistrus triradiatus** Eigenmann, 1917*Ancistrus triradiatus martini* Schultz, 1944, currently *Ancistrus martini***Ancistrus variolus** (Cope, 1872)*Ancistrus vittatus vermiculata* Steindachner, 1908, currently *Peckoltia vermiculata***Ancistrus yaravi** Steindachner, 1915, *incertae sedis*Genus **Aphanotorulus** Isbrücker & Nijssen, 1983**Aphanotorulus ammophilus** Armbruster & Page, 1996**Aphanotorulus frankei** Isbrücker & Nijssen, 1983**Aphanotorulus madeirae** (Fowler, 1913)**Aphanotorulus micropunctatus** (La Monte, 1935)**Aphanotorulus popoi** (Pearson, 1924)**Aphanotorulus unicolor** (Steindachner, 1908)

Genus **Apistoloricaria** Isbrücker & Nijssen, 1986
Apistoloricaria condei Isbrücker & Nijssen, 1986
Apistoloricaria laani Nijssen & Isbrücker, 1988
Apistoloricaria listrorrhinos Nijssen & Isbrücker, 1988
Apistoloricaria ommation Nijssen & Isbrücker, 1988

Genus **Aposturisoma** Isbrücker, Britski, Nijssen & Ortega, 1983
Aposturisoma myriodon Isbrücker, Britski, Nijssen & Ortega, 1983

Genus *Aristommata* Holmberg, 1893, currently *Hypoptopoma*
Aristommata inexpectata Holmberg, 1893, currently *Hypoptopoma inexpectatum*

Genus **Baryancistrus** Rapp Py-Daniel, 1989
Baryancistrus longipinnis (Kindle, 1895)
Baryancistrus niveatus (Castelnau, 1855)

Genus **Brochiloricaria** Isbrücker & Nijssen, 1979
Brochiloricaria chauliodon Isbrücker, 1979
Brochiloricaria macrodon (Kner, 1854)

Genus *Canthopomus* Eigenmann, 1910, currently *Pseudorinelepis*

Genus *Canthopomus* Eigenmann & Allen, 1942, currently *Pseudorinelepis*
Canthopomus montebelloi Fowler, 1940, currently *Ixinandria montebelloi*

Genus *Carinotus* La Monte, 1933, currently *Delturus*

Genus **Chaetostoma** Tschudi, 1845
Chaetostoma aequinoctiale Pellegrin, 1909
Chaetostoma alternifasciatum Fowler, 1945
Chaetostoma anale (Fowler, 1943)
Chaetostoma anomala sovichthys Schultz, 1944, currently *Chaetostoma sovichthys*
Chaetostoma anomalum Regan, 1903
Chaetostoma branickii Steindachner, 1882
Chaetostoma breve Regan, 1904
Chaetostoma brevilabiatum Dahl, 1942
Chaetostoma dermorhynchum Boulenger, 1887
Chaetostoma dorsale Eigenmann, 1922
Chaetostoma dupouii Fernández-Yépez, 1945
Chaetostoma fischeri Steindachner, 1879
Chaetostoma furcatum Fowler, 1940, *incertae sedis*
Chaetostoma greeni Isbrücker, 2001
Chaetostoma guairense Steindachner, 1882
Chaetostoma jegui Rapp Py-Daniel, 1991
Chaetostoma lepturum Regan, 1912
Chaetostoma leucomelas Eigenmann, 1918

Chaetostoma lineopunctatum Eigenmann & Allen, 1942
Chaetostoma loborhynchus Tschudi, 1845
Chaetostoma machiquense Fernández-Yépez & Martín S., 1953
Chaetostoma marcapatae Regan, 1904
Chaetostoma marginatum Regan, 1904
Chaetostoma marmorescens Eigenmann & Allen, 1942
Chaetostoma microps Günther, 1864
Chaetostoma milesi Fowler, 1941
Chaetostoma mollinasum Pearson, 1937
Chaetostoma niveum Fowler, 1944
Chaetostoma nudirostre Lütken, 1874
Chaetostoma palmeri Regan, 1912
Chaetostoma patiae Fowler, 1945
Chaetostoma paucispine Regan, 1912
Chaetostoma pearsei Eigenmann, 1920
Chaetostoma sericeum Cope, 1872
Chaetostoma sovichthys Schultz, 1944
Chaetostoma stannii Lütken, 1874
Chaetostoma tachiraense Schultz, 1944
Chaetostoma taczanowskii Steindachner, 1883
Chaetostoma thomsoni Regan, 1904
Chaetostoma vagum Fowler, 1943
Chaetostoma vasquezi Lasso & Provenzano, 1997
Chaetostoma venezuelae (Schultz, 1944)
Chaetostoma yurubiense Ceas & Page, 1996

Genus *Chaetostomus* Kner, 1854, currently *Chaetostoma*
Chaetostomus aculeatus Perugia, 1891, currently *Megalancistrus parananus*
Chaetostomus aequinoctialis Pellegrin, 1909, currently *Chaetostoma aequinoctiale*
Chaetostomus alga Cope, 1872, currently *Ancistrus alga*
Chaetostomus anomalus Regan, 1903, currently *Chaetostoma anomalum*
Chaetostomus aspidolepis Günther, 1866, currently *Hemiancistrus aspidolepis*
Chaetostomus bachi Boulenger, 1898, currently *Peckoltia bachi*
Chaetostomus branickii Steindachner, 1882, currently *Chaetostoma branickii*
Chaetostomus brevilabiatum Dahl, 1942, currently *Chaetostoma brevilabiatum*
Chaetostomus brevis Regan, 1904, currently *Chaetostoma breve*
Chaetostomus cirrhosus maculata Steindachner, 1882, currently *Ancistrus maculatus*
Chaetostomus cirrhosus punctata Steindachner, 1882, currently *Ancistrus punctatus*
Chaetostomus cochliodon Steindachner, 1879, currently *Panaque cochliodon*



- Chaetostomus cochliodon* (sive *gibbosus*) Steindachner, 1879, currently *Panaque cochliodon*
Chaetostomus dentex Günther, 1868, currently *Panaqolus dentex*
Chaetostomus depressus Günther, 1868, currently *Pseudancistrus depressus*
Chaetostomus dermorhynchus Boulenger, 1887, currently *Chaetostoma dermorhynchum*
Chaetostomus dorsalis Eigenmann, 1922, currently *Chaetostoma dorsale*
Chaetostomus eptingi Fowler, 1941, currently *Hypostomus eptingi*
Chaetostomus fischeri Steindachner, 1879, currently *Chaetostoma fischeri*
Chaetostomus fordii Günther, 1868, currently *Pseudacanthicus fordii*
Chaetostomus furcatus Fowler, 1940, currently *Chaetostoma furcatum*
Chaetostomus gigas Boulenger, 1895, currently *Megalancistrus parananus*
Chaetostomus guairensis Steindachner, 1882, currently *Chaetostoma guairense*
Chaetostomus heteracanthus Günther, 1869, currently *Lasiancistrus heteracanthus*
Chaetostomus hoplogenyis Günther, 1864, currently *Ancistrus hoplogenyis*
Chaetostomus jelskii Steindachner, 1876, currently *Ancistrus jelskii*
Chaetostomus latifrons Günther, 1869, currently *Ancistrus latifrons*
Chaetostomus lepturus Regan, 1912, currently *Chaetostoma lepturum*
Chaetostomus leucomelas Eigenmann, 1917, currently *Chaetostoma leucomelas*
Chaetostomus leucostictus Günther, 1864, currently *Ancistrus leucostictus*
Chaetostomus macrops Lütken, 1874, currently *Hemiancistrus macrops*
Chaetostomus maculatus Regan, 1904, currently *Chaetostoma greeni*
Chaetostomus malacops Cope, 1872, currently *Ancistrus malacops*
Chaetostomus marcapatae Regan, 1904, currently *Chaetostoma marcapatae*
Chaetostomus marginatus Regan, 1904, currently *Chaetostoma marginatum*
Chaetostomus megacephalus Günther, 1868, currently *Hemiancistrus megacephalus*
Chaetostomus microps Günther, 1864, currently *Chaetostoma microps*
Chaetostomus milesi Fowler, 1941, currently *Chaetostoma milesi*
Chaetostomus mollinasus Pearson, 1937, currently *Chaetostoma mollinasum*
Chaetostomus nigrolineatus Peters, 1877, currently *Panaque nigrolineatus*
Chaetostomus nudirostris Lütken, 1874, currently *Chaetostoma nudirostre*
Chaetostomus oligospilus Günther, 1864, currently *Peckoltia oligospila*
Chaetostomus palmeri Regan, 1912, currently *Chaetostoma palmeri*
Chaetostomus paucispinis Regan, 1912, currently *Chaetostoma paucispine*
Chaetostomus pearsei Eigenmann, 1920, currently *Chaetostoma pearsei*
Chaetostomus platycephalus Boulenger, 1898, currently *Cordylancistrus platycephalus*
Chaetostomus punctatissimus Steindachner, 1882, currently *Oligancistrus punctatissimus*
Chaetostomus schomburgkii Günther, 1864, currently *Guyanancistrus schomburgkii*
Chaetostomus sericeus Cope, 1872, currently *Chaetostoma sericeum*
Chaetostomus setosus Boulenger, 1887, currently *Dolichancistrus setosus*
Chaetostomus stannii Lütken, 1874, currently *Chaetostoma stannii*
Chaetostomus taczanowskii Steindachner, 1883, currently *Chaetostoma taczanowskii*
Chaetostomus tectirostris Cope, 1872, currently *Ancistrus tectirostris*
Chaetostomus thomsoni Regan, 1904, currently *Chaetostoma thomsoni*
Chaetostomus trinitatis Günther, 1864, currently *Guyanancistrus trinitatis*
Chaetostomus undecimalis Steindachner, 1878, currently *Pterygoplichthys undecimalis*
Chaetostomus vagus Fowler, 1943, currently *Chaetostoma vagum*
Chaetostomus variolus Cope, 1872, currently *Ancistrus variolus*
Chaetostomus vittatus Steindachner, 1882, currently *Peckoltia vittata*
- Genus *Cheiridodus* Eigenmann, 1922, currently *Cochliodon*
- Genus **Cochliodon** Kner, 1854
Cochliodon cochliodon (Kner, 1854)
Cochliodon honda (Regan, 1912)
Cochliodon levis (Pearson, 1924)
Cochliodon oculeus (Fowler, 1943)
Cochliodon plecostomoides Eigenmann, 1922
Cochliodon pospisili Schultz, 1944
Cochliodon pyrineusi Miranda Ribeiro, 1920
Cochliodon taphorni Lilyestrom, 1984
- Genus **Cordylancistrus** Isbrücker, 1980
Cordylancistrus daguae (Eigenmann, 1912)



Cordylancistrus perijae Pérez & Provenzano, 1996
Cordylancistrus platycephalus (Boulenger, 1898)
Cordylancistrus platyrhynchus (Fowler, 1943)
Cordylancistrus torbesensis (Schultz, 1944)

Genus **Corumbataia** Britski, 1997
Corumbataia cuestae Britski, 1997
Corumbataia tocantinensis Britski, 1997

Genus **Corymbophanes** Eigenmann, 1909
Corymbophanes andersoni Eigenmann, 1909
Corymbophanes bahianus Gosline, 1947, currently
Hemipsilichthys bahianus
Corymbophanes kaiei Armbruster & Sabaj, 2000
Corymbophanes venezuelae Schultz, 1944, currently
Chaetostoma venezuelae

Genus **Crossoloricaria** Isbrücker, 1979
Crossoloricaria bahujaja Chang & Castro, 1999
Crossoloricaria cephalaspis Isbrücker, 1979
Crossoloricaria rhami Isbrücker & Nijssen, 1983
Crossoloricaria variegata (Steindachner, 1879)
Crossoloricaria venezuelae (Schultz, 1944)

Genus **Cteniloricaria** Isbrücker & Nijssen, 1979
Cteniloricaria dissidens (Rapp Py-Daniel & Oliveira, 2001)
Cteniloricaria duriventris (Rapp Py-Daniel & Oliveira, 2001)
Cteniloricaria fowleri (Pellegrin, 1908)
Cteniloricaria maculata (Boeseman, 1971)
Cteniloricaria platystoma (Günther, 1868)

Genus **Dasylicaria** Isbrücker & Nijssen, 1979
Dasylicaria capetensis (Meek & Hildebrand, 1913)
Dasylicaria filamentosa (Steindachner, 1878)
Dasylicaria latiura (Eigenmann & Vance, 1912)
Dasylicaria seminuda (Eigenmann & Vance, 1912)
Dasylicaria tuyrensis (Meek & Hildebrand, 1913)

Genus **Dekeyseria** Rapp Py-Daniel, 1985
Dekeyseria amazonica Rapp Py-Daniel, 1985
Dekeyseria niveata (La Monte, 1929)
Dekeyseria scaphirhyncha (Kner, 1854)

Genus **Delturus** Eigenmann & Eigenmann, 1889
Delturus angulicauda (Steindachner, 1876)
Delturus carinotus (La Monte, 1933)
Delturus parahybae Eigenmann & Eigenmann, 1889

Genus **Dentectus** Martín S., Isbrücker & Nijssen, 1982
Dentectus barbarmatus Martín S., Isbrücker & Nijssen, 1982

Genus *Diapletoplites* Fowler, 1915, currently
Hypoptopoma

Genus **Dolichancistrus** Isbrücker, 1980
Dolichancistrus atratoensis (Dahl, 1960)
Dolichancistrus carnegiei (Eigenmann, 1916)
Dolichancistrus cobrensis (Schultz, 1944)
Dolichancistrus fuessli (Steindachner, 1911)
Dolichancistrus pediculatus (Eigenmann, 1917)
Dolichancistrus setosus (Boulenger, 1887)

Genus **Epactionotus** Reis & Schaefer, 1998
Epactionotus bilineatus Reis & Schaefer, 1998
Epactionotus gracilis Reis & Schaefer, 1998
Epactionotus itaimbezinho Reis & Schaefer, 1998

Genus *Euacanthagenys* Fowler, 1945, currently
Spatuloricaria
Euacanthagenys caquetae Fowler, 1945, currently
Spatuloricaria euacanthagenys

Genus **Eurycheilichthys** Reis & Schaefer, 1993
Eurycheilichthys limulus Reis & Schaefer, 1998
Eurycheilichthys pantherinus (Reis & Schaefer, 1992)

Genus *Eurycheilus* Reis & Schaefer, 1992, currently
Eurycheilichthys
Eurycheilus pantherinus Reis & Schaefer, 1992,
currently *Eurycheilichthys pantherinus*

Genus **Exastilithoxus** Isbrücker & Nijssen, 1979
Exastilithoxus fimbriatus (Steindachner, 1915)
Exastilithoxus hoedemani Isbrücker & Nijssen, 1986

Genus **Farlowella** Eigenmann & Eigenmann, 1889
Farlowella aestrictichthys Pearson, 1924, currently
Farlowella nattereri
Farlowella acus (Kner, 1853)
Farlowella acus venezuelensis Martín S., 1964,
currently *Farlowella venezuelensis*
Farlowella agustini Martín S., 1964, currently
Farlowella vittata
Farlowella amazona (Günther, 1864)
Farlowella angosturae Martín S., 1964, currently
Farlowella vittata
Farlowella azygia Eigenmann & Vance, 1917, currently
Farlowella nattereri
Farlowella boliviana Steindachner, 1910
Farlowella carinata Garman, 1889, currently *Farlowella amazona*
Farlowella colombiensis Retzer & Page, 1997
Farlowella curtirostra Myers, 1942
Farlowella gracilis Regan, 1904
Farlowella guaricensis Martín S., 1964, currently
Farlowella vittata
Farlowella hahni Meinken, 1937
Farlowella hargreavesi Eigenmann, 1912, currently



Farlowella nattereri

Farlowella hasemani Eigenmann & Vance, 1917

Farlowella henriquei Miranda Ribeiro, 1918

Farlowella isbruckeri Retzer & Page, 1997

Farlowella jauruensis Eigenmann & Vance, 1917

Farlowella knerii (Steindachner, 1883)

Farlowella latisoma Miranda Ribeiro, 1939, currently

Farlowella schreitmuelleri

Farlowella mariaelenae Martín S., 1964

Farlowella martini Fernández-Yépez, 1972

Farlowella nattereri Steindachner, 1910

Farlowella odontotumulus Retzer & Page, 1997

Farlowella oliveirae Miranda Ribeiro, 1939, currently

Farlowella amazona

Farlowella oxyrryncha (Kner, 1853)

Farlowella paraguayensis Retzer & Page, 1997

Farlowella paranaensis Meinken, 1937, currently

Farlowella amazona

Farlowella parvicarinata Boeseman, 1971, currently

Farlowella rugosa

Farlowella platorynchus Retzer & Page, 1997

Farlowella pleurotaenia Miranda Ribeiro, 1939, currently *Farlowella amazona*

Farlowella pseudogladolus Steindachner, 1910, currently *Farlowella amazona*

Farlowella reticulata Boeseman, 1971

Farlowella roncallii Martín S., 1964, currently

Farlowella vittata

Farlowella rugosa Boeseman, 1971

Farlowella schreitmuelleri Ahl, 1937

Farlowella smithi Fowler, 1913

Farlowella taphorni Retzer & Page, 1997

Farlowella venezuelensis Martín S., 1964

Farlowella vittata Myers, 1942

Genus **Fonchiichthys** Isbrücker & Michels, 2001

Fonchiichthys rupestris (Schultz, 1944)

Fonchiichthys uracanthus (Kner & Steindachner, 1863)

Genus **Furcodontichthys** Rapp Py-Daniel, 1981

Furcodontichthys novaesi Rapp Py-Daniel, 1981

Genus *Fusiloricaria* Fowler, 1940, currently *Loricaria*

Genus **Glyptoperichthys** Weber, 1991

Glyptoperichthys altipinnis (Günther, 1864)

Glyptoperichthys gibbiceps (Kner, 1854)

Glyptoperichthys joselimaianus Weber, 1991

Glyptoperichthys lituratus (Kner, 1854)

Glyptoperichthys parnaibae Weber, 1991

Glyptoperichthys punctatus (Kner, 1854)

Glyptoperichthys scrophus (Cope, 1874)

Glyptoperichthys xinguensis Weber, 1991

Genus **Guyanancistrus** Isbrücker, 2001

Guyanancistrus brevispinis (Heitmans, Nijssen & Isbrücker, 1983)

Guyanancistrus guacharote (Valenciennes, 1840)

Guyanancistrus longispinis (Heitmans, Nijssen & Isbrücker, 1983)

Guyanancistrus niger (Norman, 1926)

Guyanancistrus schomburgkii (Günther, 1864)

Guyanancistrus trinitatis (Günther, 1864)

Genus **Harttia** Steindachner, 1876

Harttia caquetae Fowler, 1945, currently *Sturisomatichthys caquetae*

Harttia carvalhoi Miranda Ribeiro, 1939

Harttia crassicauda Boeseman, 1953, currently *Harttiella crassicauda*

Harttia depressa Rapp Py-Daniel & Oliveira, 2001

Harttia dissidens Rapp Py-Daniel & Oliveira, 2001, currently *Cteniloricaria dissidens*

Harttia duriventris Rapp Py-Daniel & Oliveira, 2001, currently *Cteniloricaria duriventris*

Harttia filamentissima Eigenmann & Allen, 1942, currently *Lamontichthys filamentosus*

Harttia filamentosa La Monte, 1935, currently *Lamontichthys filamentosus*

Harttia garavelloi Oyakawa, 1993

Harttia gracilis Oyakawa, 1993

Harttia guianensis Rapp Py-Daniel & Oliveira, 2001

Harttia kronei Miranda Ribeiro, 1908

Harttia leiopleura Oyakawa, 1993, currently *Quiritixys leiopleura*

Harttia longipinna Langeani, Oyakawa & Montoya-Burgos, 2001

Harttia loricariformis Steindachner, 1876

Harttia microps Eigenmann & Allen, 1942, currently *Pterosturisoma microps*

Harttia nijsseni Boeseman, 1976, currently *Metaloricaria nijsseni*

Harttia novalimensis Oyakawa, 1993

Harttia punctata Rapp Py-Daniel & Oliveira, 2001

Harttia rhombocephala Miranda Ribeiro, 1939

Harttia surinamensis Boeseman, 1971

Harttia torrenticola Oyakawa, 1993

Harttia trombetensis Rapp Py-Daniel & Oliveira, 2001

Harttia uatumensis Rapp Py-Daniel & Oliveira, 2001

Genus **Harttiella** Boeseman, 1971

Harttiella crassicauda (Boeseman, 1953)

Genus **Hemiancistrus** Bleeker, 1862

Hemiancistrus albocinctus Ahl, 1936, currently *Ancistrus albocinctus*

Hemiancistrus annectens (Regan, 1904)

Hemiancistrus arenarius Eigenmann & Allen, 1942,



currently *Sophiancistrus arenarius*

Hemiancistrus aspidolepis (Günther, 1866)

Hemiancistrus braueri Eigenmann, 1912, currently *Peckoltia braueri*

Hemiancistrus brevis La Monte, 1935, currently *Peckoltia brevis*

Hemiancistrus caquetae Fowler, 1945, *incertae sedis*

Hemiancistrus castelnaui Miranda Ribeiro, 1918, currently *Lasiancistrus castelnaui*

Hemiancistrus chlorostictus Cardoso & Malabarba, 1999

Hemiancistrus daguae Eigenmann, 1912, currently *Cordylancistrus daguae*

Hemiancistrus fugleri Ovchynnyk, 1971

Hemiancistrus fuliginosus Cardoso & Malabarba, 1999

Hemiancistrus hammarlundi Rendahl, 1937

Hemiancistrus holostictus Regan, 1913

Hemiancistrus itacua (Valenciennes [1836])

Hemiancistrus landoni Eigenmann, 1916

Hemiancistrus longipinnis Kindle, 1895, currently *Baryancistrus longipinnis*

Hemiancistrus macrops (Lütken, 1874)

Hemiancistrus maracaiboensis Schultz, 1944

Hemiancistrus mayoloi Eigenmann, 1912, currently *Lasiancistrus mayoloi*

Hemiancistrus medians (Kner, 1854)

Hemiancistrus megacephalus (Günther, 1868)

Hemiancistrus niceforoi Fowler, 1943, currently *Hypostomus niceforoi*

Hemiancistrus niger Norman, 1926, currently *Guyanancistrus niger*

Hemiancistrus platyrhynchus Fowler, 1943, currently *Cordylancistrus platyrhynchus*

Hemiancistrus punctulatus Cardoso & Malabarba, 1999

Hemiancistrus ucayalensis Fowler, 1940, currently *Sophiancistrus ucayalensis*

Hemiancistrus wilsoni Eigenmann, 1916

Genus **Hemiloricaria** Bleeker, 1862

Hemiloricaria altipinnis (Breder, 1925)

Hemiloricaria beni (Pearson, 1924)

Hemiloricaria cacerensis (Miranda Ribeiro, 1912)

Hemiloricaria caracasensis Bleeker, 1862

Hemiloricaria castroi (Isbrücker & Nijssen, 1984)

Hemiloricaria eigenmanni (Pellegrin, 1908)

Hemiloricaria fallax (Steindachner, 1915)

Hemiloricaria formosa (Isbrücker & Nijssen, 1979)

Hemiloricaria hasemani (Isbrücker & Nijssen, 1979)

Hemiloricaria hoehnei (Miranda Ribeiro, 1912)

Hemiloricaria jubata (Boulenger, 1902)

Hemiloricaria konopickyi (Steindachner, 1879)

Hemiloricaria lanceolata (Günther, 1868)

Hemiloricaria magdalenae (Steindachner, 1878)

Hemiloricaria melini (Schindler, 1959)

Hemiloricaria morrowi (Fowler, 1940)

Hemiloricaria nigricauda (Regan, 1904)

Hemiloricaria parva (Boulenger, 1895)

Hemiloricaria phoxocephala (Eigenmann & Eigenmann, 1889)

Hemiloricaria platyura (Müller & Troschel, 1848)

Hemiloricaria sneiderni (Fowler, 1944)

Hemiloricaria stewarti (Eigenmann, 1909)

Hemiloricaria teffeana (Steindachner, 1879)

Hemiloricaria wolfei (Fowler, 1940)

Genus **Hemiodon** Kner, 1853, currently *Reganella*

Hemiodon acipenserinus Kner, 1853, currently

Hemiodontichthys acipenserinus

Hemiodon depressus Kner, 1853, currently *Reganella depressa*

Hemiodon platycephalus Kner, 1853, currently *Pseudohemiodon platycephalus*

Genus **Hemiodontichthys** Bleeker, 1862

Hemiodontichthys acipenserinus (Kner, 1853)

Genus **Hemipsilichthys** Eigenmann & Eigenmann, 1889

Hemipsilichthys bahianus (Gosline, 1947)

Hemipsilichthys cameroni Steindachner, 1907

Hemipsilichthys cerosus Miranda Ribeiro, 1951

Hemipsilichthys duseri Miranda Ribeiro, 1907, currently *Isbrueckerichthys duseri*

Hemipsilichthys garbei Ihering, 1911

Hemipsilichthys gobio (Lütken, 1874)

Hemipsilichthys luderwaldti (Miranda Ribeiro, 1918)

Hemipsilichthys mutuca Oliveira & Oyakawa, 1999

Hemipsilichthys nudulus Reis & Pereira, 1999

Hemipsilichthys papillatus Pereira, Oliveira & Oyakawa, 2000

Hemipsilichthys regani Giltay, 1936

Hemipsilichthys splendens Bizerril, 1995

Hemipsilichthys steindachneri Miranda Ribeiro, 1918

Hemipsilichthys stephanus Oliveira & Oyakawa, 1999

Hemipsilichthys vestigipinnis Pereira & Reis, 1992

Genus **Hisonotus** Eigenmann & Eigenmann, 1889

Hisonotus bourguyi (Miranda Ribeiro, 1911)

Hisonotus depressicauda (Miranda Ribeiro, 1918)

Hisonotus depressinotus (Miranda Ribeiro, 1918)

Hisonotus francirochai (Ihering, 1928)

Hisonotus laevior Cope, 1894

Hisonotus leptochilus Cope, 1894

Hisonotus leucofrenatus (Miranda Ribeiro, 1908)

Hisonotus maculipinnis (Regan, 1912)

Hisonotus minutus Eigenmann & Eigenmann, 1890,



currently *Hisonotus notatus*

Hisonotus nigricauda (Boulenger, 1891)

Hisonotus notatus Eigenmann & Eigenmann, 1889

Hisonotus paulinus (Regan, 1908)

Hisonotus ringueleti Aquino, Schaefer & Miquelarena, 2001

Hisonotus taimensis (Buckup, 1981)

Genus **Hopliancistrus** Isbrücker & Nijssen, 1989

Hopliancistrus tricornis Isbrücker & Nijssen, 1989

Genus **Hypancistrus** Isbrücker & Nijssen, 1991

Hypancistrus inspector Armbruster, 2002

Hypancistrus zebra Isbrücker & Nijssen, 1991

Genus *Hypocolpiterus* Fowler, 1943, currently *Chaetostoma*

Hypocolpiterus analis Fowler, 1943, currently *Chaetostoma anale*

Genus **Hypoptopoma** Günther, 1868

Hypoptopoma bilobatum Cope, 1870

Hypoptopoma carinatum Steindachner, 1879, currently *Oxyropsis carinata*

Hypoptopoma guentheri Boulenger, 1895

Hypoptopoma guianense Boeseman, 1974

Hypoptopoma gulare Cope, 1878

Hypoptopoma inexpectatum (Holmberg, 1893)

Hypoptopoma joberti (Vaillant, 1880)

Hypoptopoma psilogaster Fowler, 1915

Hypoptopoma steindachneri Boulenger, 1895

Hypoptopoma thoracatum Günther, 1868

Genus *Hypostoma* Agassiz, 1829, currently *Hypostomus*

Hypostoma etentaculatum Agassiz, 1829, currently *Pterygoplichthys etentaculatus*

Hypostoma punctatum Jardine, 1841, currently *Ancistrus* sp.

Hypostoma squalinum Jardine, 1841, currently *Squaliforma squalina*

Genus **Hypostomus** La Cepède, 1803

Hypostomus aburrensis Posada, 1909

Hypostomus affinis (Steindachner, 1876)

Hypostomus agna (Miranda Ribeiro, 1907)

Hypostomus alatus Castelnau, 1855

Hypostomus albopunctatus (Regan, 1908)

Hypostomus ancistroides (Ihering, 1911)

Hypostomus angipinnatus (Leege, 1922)

Hypostomus argus (Fowler, 1943)

Hypostomus asperatus Castelnau, 1855

Hypostomus aspilogaster (Cope, 1894)

Hypostomus atropinnis (Eigenmann & Eigenmann, 1890)

Hypostomus aurantiacus Castelnau, 1855, currently

Parancistrus aurantiacus

Hypostomus auroguttatus Kner, 1854

Hypostomus barbatus Valenciennes, 1840, currently

Pseudancistrus barbatus

Hypostomus bolivianus (Pearson, 1924)

Hypostomus borellii (Boulenger, 1897)

Hypostomus boulengeri (Eigenmann & Kennedy, 1903)

Hypostomus brevicauda (Günther, 1864)

Hypostomus brevis (Nichols, 1919)

Hypostomus brevitentaculatus Ranzani, 1842, currently *Pterygoplichthys etentaculatus*

Hypostomus bufonius Valenciennes, 1840, currently *Ancistrus bufonius*

Hypostomus butantanis (Ihering, 1911)

Hypostomus calamita Valenciennes, 1840, currently *Ancistrus calamita*

Hypostomus carvalhoi (Miranda Ribeiro, 1937)

Hypostomus cirrhosus Valenciennes [1836], currently *Ancistrus cirrhosus*

Hypostomus cochliodon Kner, 1854, currently *Cochliodon cochliodon*

Hypostomus commersoni Valenciennes [1836]

Hypostomus commersonoides (Marini, Nichols & La Monte, 1933)

Hypostomus copenamensis Boeseman, 1969

Hypostomus corantijni Boeseman, 1968

Hypostomus cordovae (Günther, 1880)

Hypostomus crassicauda Boeseman, 1968

Hypostomus derbyi (Haseman, 1911)

Hypostomus dlouhyi Weber, 1985

Hypostomus duodecimalis Cuvier & Valenciennes, 1840, currently *Pterygoplichthys etentaculatus*

Hypostomus emarginatus Valenciennes, 1840, currently *Squaliforma emarginata*

Hypostomus eptingi (Fowler, 1941)

Hypostomus erinaceus Valenciennes, 1840, currently *Ancistrus erinaceus*

Hypostomus fluviatilis (Schubart, 1964)

Hypostomus francisci (Lütken, 1874)

Hypostomus garmani (Regan, 1904)

Hypostomus gomesi (Fowler, 1942)

Hypostomus goyazensis (Regan, 1908)

Hypostomus granosus Valenciennes, 1840, currently *Neoplecostomus granosus*

Hypostomus guacari La Cepède, 1803, currently *Hypostomus plecostomus*

Hypostomus guacharote Valenciennes, 1840, currently *Guyanancistrus guacharote*

Hypostomus guttatus Valenciennes, 1840, currently *Pseudancistrus barbatus*

Hypostomus gymnorhynchus (Norman, 1926)

Hypostomus gymnorhynchus occidentalis Boeseman, 1968, currently *Hypostomus occidentalis*



- Hypostomus gymnorhynchus tapanahoniensis* Boeseman, 1968, currently *Hypostomus tapanahoniensis*
- Hypostomus hemiurus** (Eigenmann, 1912)
- Hypostomus hermanni** (Ihering, 1905)
- Hypostomus hoplonites** Rapp Py-Daniel, 1988
- Hypostomus horridus* Kner, 1854, currently *Squaliforma horrida*
- Hypostomus iheringii** (Regan, 1908)
- Hypostomus interruptus** (Miranda Ribeiro, 1918)
- Hypostomus isbrueckeri** Reis, Weber & Malabarba, 1990
- Hypostomus itacua* Valenciennes [1836], currently *Hemiancistrus itacua*
- Hypostomus jaguribensis** (Fowler, 1915)
- Hypostomus johnii** (Steindachner, 1876)
- Hypostomus karstenii* Lütken, 1874, currently *Ancistrus gymnorhynchus*
- Hypostomus laplatae** (Eigenmann, 1907)
- Hypostomus latifrons** Weber, 1986
- Hypostomus latirostris** (Regan, 1904)
- Hypostomus lexi** (Ihering, 1911)
- Hypostomus lima** (Reinhardt, 1874)
- Hypostomus longimanus* Kner, 1854, currently *Pterygoplichthys etentaculatus*
- Hypostomus longiradiatus** (Holly, 1929)
- Hypostomus luetkeni** (Steindachner, 1877)
- Hypostomus luteomaculatus** (Devincenzi & Teague, 1942)
- Hypostomus luteus** (Godoy, 1980)
- Hypostomus macrophthalmus** Boeseman, 1968
- Hypostomus macrops** (Eigenmann & Eigenmann, 1888)
- Hypostomus margaritifer** (Regan, 1908)
- Hypostomus meleagris** (Marini, Nichols & La Monte, 1933)
- Hypostomus micromaculatus** Boeseman, 1968
- Hypostomus microstomus* Weber, 1987, currently *Watawata microstomus*
- Hypostomus multiradiatus* Hancock, 1828, currently *Liposarcus multiradiatus*
- Hypostomus mutucae** Knaack, 1999
- Hypostomus myersi** (Gosline, 1947)
- Hypostomus nematopterus** Isbrücker & Nijssen, 1984
- Hypostomus niceforoi** (Fowler, 1943)
- Hypostomus nickeriensis** Boeseman, 1969
- Hypostomus niger** (Marini, Nichols & La Monte, 1933)
- Hypostomus nigricans* Castelnau, 1855, currently *Parancistrus aurantiacus*
- Hypostomus nigromaculatus** (Schubart, 1964)
- Hypostomus niveatus* Castelnau, 1855, currently *Baryancistrus niveatus*
- Hypostomus nudiceps* Müller & Troschel, 1848, currently *Ancistrus nudiceps*
- Hypostomus nudiventris** (Fowler, 1941)
- Hypostomus obtusirostris** (Steindachner, 1907)
- Hypostomus occidentalis** Boeseman, 1968
- Hypostomus pantherinus** Kner, 1854
- Hypostomus papariae** (Fowler, 1941)
- Hypostomus paranensis** Weyenbergh, 1877
- Hypostomus pardalis* Castelnau, 1855, currently *Liposarcus pardalis*
- Hypostomus paucimaculatus** Boeseman, 1968
- Hypostomus paulinus** (Ihering, 1905)
- Hypostomus pictus* Castelnau, 1855, currently *Lasiancistrus castelnaui*
- Hypostomus piratatu** Weber, 1986
- Hypostomus plecostomus** (Linnaeus, 1758)
- Hypostomus pseudoheмиurus** Boeseman, 1968
- Hypostomus pseudoheмиurus macrophthalmus* Boeseman, 1968, currently *Hypostomus macrophthalmus*
- Hypostomus punctatus** Valenciennes, 1840
- Hypostomus pusarum** (Starks, 1913)
- Hypostomus rachovii** (Regan, 1913)
- Hypostomus regani** (Ihering, 1905)
- Hypostomus robinii** Valenciennes, 1840
- Hypostomus rondoni** (Miranda Ribeiro, 1912)
- Hypostomus roseopunctatus* Reis, Weber & Malabarba, 1990, currently *Watawata roseopunctata*
- Hypostomus saramaccensis** Boeseman, 1968
- Hypostomus scabriceps** (Eigenmann & Eigenmann, 1888)
- Hypostomus scaphycephus** (Nichols, 1919)
- Hypostomus schneideri* Boeseman, 1972, currently *Ancistrus temminckii*
- Hypostomus seminudus** (Eigenmann & Eigenmann, 1888)
- Hypostomus serratus* Valenciennes, 1840, currently *Pseudacanthicus serratus*
- Hypostomus sipaliwinii** Boeseman, 1968
- Hypostomus spinosus* Castelnau, 1855, currently *Pseudacanthicus spinosus*
- Hypostomus stannii* Lütken, 1874, currently *Chaetostoma stannii*
- Hypostomus strigaticeps** (Regan, 1908)
- Hypostomus subcarinatus** Castelnau, 1855
- Hypostomus surinamensis** Boeseman, 1968
- Hypostomus taeniatus** (Regan, 1908)
- Hypostomus tapanahoniensis** Boeseman, 1969
- Hypostomus temminckii* Valenciennes, 1840, currently *Ancistrus temminckii*
- Hypostomus tenuicauda** (Steindachner, 1878)
- Hypostomus tenuis* Boeseman, 1968, currently *Squaliforma tenuis*
- Hypostomus ternetzi** (Boulenger, 1895)
- Hypostomus tietensis** (Ihering, 1905)
- Hypostomus topavae** (Godoy, 1969)



Hypostomus unae (Steindachner, 1878)
Hypostomus uruguayensis Reis, Weber & Malabarba, 1990
Hypostomus vaillanti (Steindachner, 1877)
Hypostomus variipictus (Ihering, 1911)
Hypostomus varimaculosus (Fowler, 1945)
Hypostomus variostictus (Miranda Ribeiro, 1912)
Hypostomus ventromaculatus Boeseman, 1968
Hypostomus vermicularis (Eigenmann & Eigenmann, 1888)
Hypostomus verres Valenciennes, 1840, currently *Squaliforma verres*
Hypostomus vicinus Castelnau, 1855, currently *Parancistrus aurantiacus*
Hypostomus watwata Hancock, 1828, currently *Squaliforma watwata*
Hypostomus winzi (Fowler, 1945)
Hypostomus wuchereri (Günther, 1864)

Genus **Isbrueckerichthys** Derijst, 1996
Isbrueckerichthys alipionis (Gosline, 1947)
Isbrueckerichthys duseni (Miranda Ribeiro, 1907)

Genus **Isorineloricaria** Isbrücker, 1980
Isorineloricaria festae (Boulenger, 1898)
Isorineloricaria spinosissima (Steindachner, 1880)

Genus **Ixinandria** Isbrücker & Nijssen, 1979
Ixinandria montebelloi (Fowler, 1940)
Ixinandria steinbachi (Regan, 1906)

Genus **Kronichthys** Miranda Ribeiro, 1908
Kronichthys heylandi (Boulenger, 1900)
Kronichthys lacerta (Nichols, 1919)
Kronichthys subteres Miranda Ribeiro, 1908

Genus **Lamontichthys** Miranda Ribeiro, 1939
Lamontichthys filamentosus (La Monte, 1935)
Lamontichthys llanero Taphorn & Lilyestrom, 1984
Lamontichthys maracaibero Taphorn & Lilyestrom, 1984
Lamontichthys stibaros Isbrücker & Nijssen, 1978

Genus **Lampiella** Isbrücker, 2001
Lampiella gibbosa (Miranda Ribeiro, 1908)

Genus **Lasiancistrus** Regan, 1904
Lasiancistrus anthrax Armbruster & Provenzano, 2000, currently *Pseudolithoxus anthrax*
Lasiancistrus brevispinis Heitmans, Nijssen & Isbrücker, 1983, currently *Guyanancistrus brevispinis*
Lasiancistrus castelnaui (Miranda Ribeiro, 1918)
Lasiancistrus caucanus Eigenmann, 1912
Lasiancistrus dumus Armbruster & Provenzano, 2000, currently *Pseudolithoxus dumus*

Lasiancistrus guapore Knaack, 2000
Lasiancistrus heteracanthus (Günther, 1869)
Lasiancistrus longispinis Heitmans, Nijssen & Isbrücker, 1983, currently *Guyanancistrus longispinis*
Lasiancistrus maracaiboenis Schultz, 1944
Lasiancistrus mayoloi (Eigenmann, 1912)
Lasiancistrus multispinis (Holly, 1929)
Lasiancistrus mystacinus (Kner, 1854)
Lasiancistrus nationi Fernández-Yépez, 1972
Lasiancistrus nicoi Armbruster & Provenzano, 2000, currently *Pseudolithoxus nicoi*
Lasiancistrus planiceps (Meek & Hildebrand, 1913)
Lasiancistrus scolymus Nijssen & Isbrücker, 1985
Lasiancistrus tigris Armbruster & Provenzano, 2000, currently *Pseudolithoxus tigris*
Lasiancistrus volcanensis Dahl, 1941

Genus **Leliella** Isbrücker, 2001
Leliella heteroptera (Isbrücker & Nijssen, 1976)

Genus **Leporacanthicus** Isbrücker & Nijssen, 1989
Leporacanthicus galaxias Isbrücker & Nijssen, 1989
Leporacanthicus heterodon Isbrücker & Nijssen, 1989
Leporacanthicus joselimai Isbrücker & Nijssen, 1989
Leporacanthicus triactis Isbrücker, Nijssen & Nico, 1992

Genus **Leptoancistrus** Meek & Hildebrand, 1916
Leptoancistrus canensis (Meek & Hildebrand, 1913)
Leptoancistrus cordobensis Dahl, 1964

Genus **Limatulichthys** Isbrücker & Nijssen, 1979
Limatulichthys griseus (Eigenmann, 1909)
Limatulichthys petleyi (Fowler, 1940)

Genus **Lipopterichthys** Norman, 1935
Lipopterichthys carrioni Norman, 1935

Genus **Liposarcus** Günther, 1864
Liposarcus altipinnis Günther, 1864, currently *Glyptoperichthys altipinnis*
Liposarcus ambrosettii Holmberg, 1893
Liposarcus disjunctivus Weber, 1991
Liposarcus jeanesianus Cope, 1874, currently *Liposarcus pardalis*
Liposarcus multiradiatus (Hancock, 1828)
Liposarcus pardalis (Castelnau, 1855)
Liposarcus scrophus Cope, 1874, currently *Glyptoperichthys scrophus*
Liposarcus varius Cope, 1872, currently *Liposarcus pardalis*

Genus **Lithoxancistrus** Isbrücker, Nijssen & Cala, 1988



Lithoxancistrus genisetiger (Fowler, 1941)
Lithoxancistrus orinoco Isbrücker, Nijssen & Cala, 1988
Lithoxancistrus papariae (Fowler, 1941)

Genus **Lithoxus** Eigenmann, 1910
Lithoxus boujardi Muller & Isbrücker, 1993
Lithoxus bovallii (Regan, 1906)
Lithoxus lithoides Eigenmann, 1910
Lithoxus pallidimaculatus (Boeseman, 1982)
Lithoxus planquettei (Boeseman, 1982)
Lithoxus stocki Nijssen & Isbrücker, 1990
Lithoxus surinamensis (Boeseman, 1982)

Genus **Loricaria** Linnaeus, 1758
Loricaria accipenser Shaw, 1804, currently
Loricariichthys maculatus
Loricaria acuta Valenciennes, 1840, currently
Loricariichthys acutus
Loricaria altipinnis Breder, 1925, currently
Hemiloricaria altipinnis
Loricaria amazonica Castelnau, 1855, currently
Loricariichthys maculatus
Loricaria anus Valenciennes [1836], currently
Loricariichthys anus
Loricaria apeltogaster Boulenger, 1895
Loricaria apeltogaster amazonum Delsman, 1941, currently
Pseudohemiodon amazonus
Loricaria aurea Steindachner, 1900, currently
Sturisoma aureum
Loricaria barbata Kner, 1854, currently *Sturisoma barbatum*
Loricaria beni Pearson, 1924, currently *Hemiloricaria beni*
Loricaria bransfordi Gill, 1876, currently *Fonchiichthys uracanthus*
Loricaria brevirostris Eigenmann & Eigenmann, 1889, currently
Sturisoma brevirostre
Loricaria brunnea Hancock, 1828, currently
Loricariichthys brunneus
Loricaria cacerensis Miranda Ribeiro, 1912, currently
Hemiloricaria cacerensis
Loricaria cadeae Hensel, 1868, currently *Rineloricaria cadeae*
Loricaria capetensis Meek & Hildebrand, 1913, currently
Dasylicaria capetensis
Loricaria caquetae Fowler, 1943, currently
Spatuloricaria caquetae
Loricaria carinata Castelnau, 1855, currently *Loricaria cataphracta*
Loricaria cashibo Eigenmann & Allen, 1942, currently
Loricariichthys cashibo
Loricaria castanea Castelnau, 1855, currently
Loricariichthys castaneus
Loricaria catamarcensis Berg, 1895, currently

Rineloricaria catamarcensis
Loricaria cataphracta Linnaeus, 1758
Loricaria cirrhosa Bloch & Schneider, 1801, currently
Loricaria cataphracta
Loricaria cirrhosa Perugia, 1897, currently
Spatuloricaria evansii
Loricaria clavipinna Fowler, 1940
Loricaria commersonoides Devincenzi, 1943, currently
Paraloricaria commersonoides
Loricaria cubataonis Steindachner, 1907, currently
Rineloricaria cubataonis
Loricaria curvispina Dahl, 1941, currently
Spatuloricaria curvispina
Loricaria dentata Shaw, 1804, currently *Loricaria cataphracta*
Loricaria devincenzii Soriano S., 1950, currently
Pseudohemiodon devincenzii
Loricaria dura Bleeker, 1862, currently *Loricaria cataphracta*
Loricaria eigenmanni Pellegrin, 1908, currently
Hemiloricaria eigenmanni
Loricaria evansii Boulenger, 1892, currently
Spatuloricaria evansii
Loricaria fallax Steindachner, 1915, currently
Hemiloricaria fallax
Loricaria felipponei Fowler, 1943, currently
Rineloricaria felipponei
Loricaria filamentosa Steindachner, 1878, currently
Dasylicaria filamentosa
Loricaria filamentosa latiura Eigenmann & Vance, 1912, currently
Dasylicaria latiura
Loricaria filamentosa seminuda Eigenmann & Vance, 1912, currently
Dasylicaria seminuda
Loricaria fimbriata Eigenmann & Vance, 1912, currently
Spatuloricaria fimbriata
Loricaria flava Shaw, 1804, currently *Hypostomus plecostomus*
Loricaria frenata Boulenger, 1902, currently *Sturisoma frenatum*
Loricaria griseus Eigenmann, 1909, currently
Limatulichthys griseus
Loricaria gymnogaster Eigenmann & Vance, 1912, currently
Spatuloricaria gymnogaster
Loricaria gymnogaster lagoichthys Schultz, 1944, currently
Spatuloricaria phelpsi
Loricaria hemiodon Eigenmann & Eigenmann, 1889, currently
Loricariichthys maculatus
Loricaria henselii Steindachner, 1907, currently
Rineloricaria henselii
Loricaria histrix Valenciennes, 1840, currently
Pseudacanthicus histrix
Loricaria hoehnei Miranda Ribeiro, 1912, currently
Hemiloricaria hoehnei
Loricaria jaraguensis Steindachner, 1909 & 1910, currently
Rineloricaria jaraguensis



- Loricaria jubata* Boulenger, 1902, currently
Hemiloricaria jubata
Loricaria kneri De Filippi, 1940, currently *Sturisoma kneri*
Loricaria konopickyi Steindachner, 1879, currently
Hemiloricaria konopickyi
Loricaria kronei Miranda Ribeiro, 1911, currently
Rineloricaria kronei
Loricaria labialis Boulenger, 1895, currently
Loricariichthys labialis
Loricaria laeviscula Valenciennes, 1840, currently
Pseudoloricaria laeviscula
Loricaria lamina Günther, 1868, currently
Pseudohemiodon lamina
Loricaria lanceolata Günther, 1868, currently
Hemiloricaria lanceolata
Loricaria lata Eigenmann & Eigenmann, 1889
Loricaria laticeps Regan, 1904, currently
Pseudohemiodon laticeps
Loricaria latirostris Boulenger, 1900, currently
Rineloricaria latirostris
Loricaria lima Kner, 1854, currently *Rineloricaria lima*
Loricaria lima microlepidota Steindachner, 1907, currently
Rineloricaria microlepidota
Loricaria liturata Kner, 1854, currently
Glyptoperichthys lituratus
Loricaria macrochir Miranda Ribeiro, 1918, currently
Proloricaria proluxa
Loricaria macrodon Kner, 1854, currently
Brochiloricaria macrodon
Loricaria macromystax Günther, 1869, currently
Rhadinoloricaria macromystax
Loricaria macrops Regan, 1904, currently *Ricola macrops*
Loricaria maculata Bloch, 1794, currently
Loricariichthys maculatus
Loricaria magdalenae Steindachner, 1878, currently
Hemiloricaria magdalenae
Loricaria melanoptera Natterer, 1854, currently
Cochliodon cochliodon
Loricaria microdon Eigenmann, 1909, currently
Loricariichthys microdon
Loricaria microlepidogaster Regan, 1904, currently
Rineloricaria microlepidogaster
Loricaria nickeriensis Isbrücker, 1979
Loricaria nigricauda Regan, 1904, currently
Hemiloricaria nigricauda
Loricaria nudirostris Kner, 1854, currently
Loricariichthys nudirostris
Loricaria nudiventris Valenciennes, 1840, currently
Spatuloricaria nudiventris
Loricaria panamensis Eigenmann & Eigenmann, 1889, currently
Sturisoma panamense
Loricaria parahemiodon Günther, 1864, currently
Loricariichthys maculatus
Loricaria pareiacantha Fowler, 1943, currently
Rineloricaria pareiacantha
Loricaria parnahybae Steindachner, 1907
Loricaria parva Boulenger, 1895, currently
Hemiloricaria parva
Loricaria paulina Boulenger, 1900, currently
Rineloricaria latirostris
Loricaria phoxocephala Eigenmann & Eigenmann, 1889, currently
Hemiloricaria phoxocephala
Loricaria piauhiae Fowler, 1941, currently *Loricaria parnahybae*
Loricaria piracicabae Ihering, 1907
Loricaria platystoma Günther, 1868, currently
Cteniloricaria platystoma
Loricaria platyura Müller & Troschel, 1848, currently
Hemiloricaria platyura
Loricaria proluxa Isbrücker & Nijssen, 1978, currently
Proloricaria proluxa
Loricaria proluxa lentiginosa Isbrücker, 1979, currently
Proloricaria lentiginosa
Loricaria pугanensis Pearson, 1937, currently
Spatuloricaria pугanensis
Loricaria punctata Kner, 1854, currently
Glyptoperichthys punctatus
Loricaria punctata Regan, 1904, currently
Limatulichthys petleyi
Loricaria rostrata Agassiz, 1829, currently *Sturisoma rostratum*
Loricaria rostrata Van der Hoeven, 1852, currently
Hemiloricaria caracasensis
Loricaria scolopacina De Filippi, 1853, currently
Farlowella acus
Loricaria setifera La Cepède, 1803, currently *Loricaria cataphracta*
Loricaria simillima Regan, 1904
Loricaria sneiderni Fowler, 1944, currently
Hemiloricaria sneiderni
Loricaria spixii Steindachner, 1881, currently
Loricariichthys castaneus
Loricaria steinbachi Regan, 1906, currently *Ixinandria steinbachi*
Loricaria steindachneri Regan, 1904, currently
Rineloricaria steindachneri
Loricaria stewarti Eigenmann, 1909, currently
Hemiloricaria stewarti
Loricaria strigilata Hensel, 1868, currently *Rineloricaria strigilata*
Loricaria stuebelii Steindachner, 1883, currently
Loricariichthys stuebelii
Loricaria submarginatus Eigenmann, 1909, currently
Hemiloricaria platyura
Loricaria teffeana Steindachner, 1879, currently
Hemiloricaria teffeana
Loricaria thrissoceps Fowler, 1943, currently
Rineloricaria thrissoceps



Loricaria tucumanensis Isbrücker, 1979
Loricaria tuyrensis Meek & Hildebrand, 1913, currently
Dasyloricaria tuyrensis
Loricaria uracantha Kner & Steindachner, 1863,
 currently *Fonchiichthys uracanthus*
Loricaria uracantha rupestre Schultz, 1944, currently
Fonchiichthys rupestris
Loricaria valenciennesii Vaillant, 1880, currently
Hemiloricaria teffeana
Loricaria variegata Steindachner, 1879, currently
Crossoloricaria variegata
Loricaria variegata venezuelae Schultz, 1944, currently
Crossoloricaria venezuelae
Loricaria vetula Valenciennes [1836], currently
Paraloricaria vetula

Genus **Loricariichthys** Bleeker, 1862
Loricariichthys acutus (Valenciennes, 1840)
Loricariichthys anus (Valenciennes [1836])
Loricariichthys brunneus (Hancock, 1828)
Loricariichthys cashibo (Eigenmann & Allen, 1942)
Loricariichthys castaneus (Castelnau, 1855)
Loricariichthys chanjoo (Fowler, 1940)
Loricariichthys derbyi Fowler, 1915
Loricariichthys edentatus Reis & Pereira, 2000
Loricariichthys hauxwelli Fowler, 1915
Loricariichthys labialis (Boulenger, 1895)
Loricariichthys maculatus (Bloch, 1794)
Loricariichthys melanocheilus Reis & Pereira, 2000
Loricariichthys melini Schindler, 1959, currently
Hemiloricaria melini
Loricariichthys microdon (Eigenmann, 1909)
Loricariichthys nudirostris (Kner, 1854)
Loricariichthys parnahybae Fowler, 1941, currently
Limatulichthys petleyi
Loricariichthys platymetopon Isbrücker & Nijssen,
 1979
Loricariichthys rostratus Reis & Pereira, 2000
Loricariichthys stuebelii (Steindachner, 1883)
Loricariichthys ucayalensis Regan, 1913

Genus **Macrotocinclus** Isbrücker & Seidel, 2001
Macrotocinclus affinis (Steindachner, 1877)
Macrotocinclus flexilis (Cope, 1894)

Genus **Megalancistrus** Isbrücker, 1980
Megalancistrus barrae (Steindachner, 1910)
Megalancistrus parananus (Peters, 1881)
 Genus **Metaloricaria** Isbrücker, 1975
Metaloricaria nijsseni (Boeseman, 1976)
Metaloricaria paucidens Isbrücker, 1975

Genus **Microlepidogaster** Eigenmann & Eigenmann,
 1889
Microlepidogaster bahiensis Miranda Ribeiro, 1918,

currently *Parotocinclus bahiensis*
Microlepidogaster bourguyi Miranda Ribeiro, 1918,
 currently *Hisonotus bourguyi*
Microlepidogaster depressinotus Miranda Ribeiro,
 1918, currently *Hisonotus depressinotus*
Microlepidogaster doceanus Miranda Ribeiro, 1918,
 currently *Parotocinclus doceanus*
Microlepidogaster guentheri Miranda Ribeiro, 1918,
 currently *Schizolecis guentheri*
Microlepidogaster perforata Eigenmann &
 Eigenmann, 1889
Microlepidogaster taimensis Buckup, 1981, currently
Hisonotus taimensis

Genus **Monistancistrus** Fowler, 1940, currently
Pseudorinelepis
Monistancistrus carachama Fowler, 1940, currently
Pseudorinelepis genibarbis

Genus **Nannoptopoma** Schaefer, 1996
Nannoptopoma spectabile (Eigenmann, 1914)
Nannoptopoma sternoptychum Schaefer, 1996

Genus **Neblichthys** Ferraris Jr., Isbrücker & Nijssen,
 1986
Neblichthys pilosus Ferraris Jr., Isbrücker &
 Nijssen, 1986
Neblichthys roraima Provenzano, Lasso & Ponte,
 1995

Genus **Neoplecostomus** Eigenmann & Eigenmann,
 1888
Neoplecostomus espiritosantensis Langeani, 1990
Neoplecostomus franciscoensis Langeani, 1990
Neoplecostomus granosus (Valenciennes, 1840)
Neoplecostomus microps (Steindachner, 1876)
Neoplecostomus paranensis Langeani, 1990
Neoplecostomus ribeirensis Langeani, 1990
Neoplecostomus variipictus Bizerril, 1995

Genus **Niobichthys** Schaefer & Provenzano, 1998
Niobichthys ferrarisi Schaefer & Provenzano, 1998

Genus **Oligancistrus** Rapp Py-Daniel, 1989
Oligancistrus punctatissimus (Steindachner, 1882)

Genus **Otocinclus** Cope, 1871
Otocinclus affinis Steindachner, 1877, currently
Macrotocinclus affinis
Otocinclus arnoldi Regan, 1909, currently
Macrotocinclus flexilis
Otocinclus bororo Schaefer, 1997
Otocinclus caxarari Schaefer, 1997
Otocinclus cephalacanthus Miranda Ribeiro, 1911,
 currently *Otothyris lophophanes*



Otocinclus depressicauda Miranda Ribeiro, 1918, currently *Hisonotus depressicauda*
Otocinclus fimbriatus Cope, 1894, currently *Macrotocinclus flexilis*
Otocinclus flexilis Cope, 1894, currently *Macrotocinclus flexilis*
Otocinclus francirochai Ihering, 1928, currently *Hisonotus francirochai*
Otocinclus gibbosus Miranda Ribeiro, 1908, currently *Lampiella gibbosa*
Otocinclus hasemani Steindachner, 1915
Otocinclus hoppei Miranda Ribeiro, 1939
Otocinclus huaorani Schaefer, 1997
Otocinclus joberti Vaillant, 1880, currently *Hypoptopoma joberti*
Otocinclus leucofrenatus Miranda Ribeiro, 1908, currently *Hisonotus leucofrenatus*
Otocinclus macrospilus Eigenmann & Allen, 1942
Otocinclus maculicauda Steindachner, 1877, currently *Parotocinclus maculicauda*
Otocinclus maculipinnis Regan, 1912, currently *Hisonotus maculipinnis*
Otocinclus mariae Fowler, 1940
Otocinclus mura Schaefer, 1997
Otocinclus nigricauda Boulenger, 1891, currently *Hisonotus nigricauda*
Otocinclus obtusus Miranda Ribeiro, 1911, currently *Pseudotothyris obtusa*
Otocinclus paulinus Regan, 1908, currently *Hisonotus paulinus*
Otocinclus spectabilis Eigenmann, 1914, currently *Nannoptopoma spectabile*
Otocinclus tietensis Ihering, 1907, currently *Pseudotocinclus tietensis*
Otocinclus vestitus Cope, 1872
Otocinclus vittatus Regan, 1904
Otocinclus xakriaba Schaefer, 1997

Genus **Otothyris** Myers, 1927
Otothyris canaliferus Myers, 1927, currently *Otothyris lophophanes*
Otothyris juquiae Garavello, Britski & Schaefer, 1998
Otothyris lophophanes (Eigenmann & Eigenmann, 1889)
Otothyris rostrata Garavello, Britski & Schaefer, 1998
Otothyris travassosi Garavello, Britski & Schaefer, 1998

Genus *Oxyloricaria* Bleeker, 1862, currently *Sturisoma*
Oxyloricaria citurensis Meek & Hildebrand, 1913, currently *Sturisomatichthys citurensis*
Oxyloricaria dariensis Meek & Hildebrand, 1913, currently *Sturisoma dariense*
Oxyloricaria fowleri Pellegrin, 1908, currently *Cteniloricaria fowleri*

Oxyloricaria guentheri Regan, 1904, currently *Sturisoma guentheri*
Oxyloricaria leightoni Regan, 1912, currently *Sturisomatichthys leightoni*
Oxyloricaria lyra Regan, 1904, currently *Sturisoma lyra*
Oxyloricaria robusta Regan, 1904, currently *Sturisoma robustum*
Oxyloricaria tamanae Regan, 1912, currently *Sturisomatichthys tamanae*
Oxyloricaria tenuirostris Steindachner, 1910, currently *Sturisoma tenuirostre*

Genus **Oxyropsis** Eigenmann & Eigenmann, 1889
Oxyropsis acutirostris Miranda Ribeiro, 1951
Oxyropsis carinata (Steindachner, 1879)
Oxyropsis wrightiana Eigenmann & Eigenmann, 1889, currently *Oxyropsis carinata*

Genus **Panaqolus** Isbrücker & Schraml, 2001
Panaqolus albomaculatus (Kanazawa, 1958)
Panaqolus dentex (Günther, 1868)
Panaqolus gnomus (Schaefer & Stewart, 1993)
Panaqolus maccus (Schaefer & Stewart, 1993)
Panaqolus nocturnus (Schaefer & Stewart, 1993)
Panaqolus purusiensis (La Monte, 1935)

Genus **Panaque** Eigenmann & Eigenmann, 1889
Panaque albomaculatus Kanazawa, 1958, currently *Panaqolus albomaculatus*
Panaque cochliodon (Steindachner, 1879)
Panaque gnomus Schaefer & Stewart, 1993, currently *Panaqolus gnomus*
Panaque maccus Schaefer & Stewart, 1993, currently *Panaqolus maccus*
Panaque nigrolineatus (Peters, 1877)
Panaque nocturnus Schaefer & Stewart, 1993, currently *Panaqolus nocturnus*
Panaque oculus Fowler, 1943, currently *Cochliodon oculus*
Panaque purusiensis La Monte, 1935, currently *Panaqolus purusiensis*
Panaque suttoni Schultz, 1944, currently *Panaque suttonorum*
Panaque suttonorum Schultz, 1944

Genus *Parahemiodon* Bleeker, 1862, currently *Loricariichthys*
Parahemiodon chanjoo Fowler, 1940, currently *Loricariichthys chanjoo*
Parahemiodon typus Bleeker, 1862, currently *Loricariichthys maculatus*

Genus *Paralithoxus* Boeseman, 1982, currently *Lithoxus*



Genus **Paraloricaria** Isbrücker, 1979

Paraloricaria agastor Isbrücker, 1979

Paraloricaria commersonoides (Devincenzi, 1943)

Paraloricaria vetula (Valenciennes [1836])

Genus **Parancistrus** Bleeker, 1862

Parancistrus aurantiacus (Castelnau, 1855)

Genus *Parasturisoma* Miranda Ribeiro, 1939, currently *Sturisoma*

Parasturisoma maculata Boeseman, 1971, currently

Cteniloricaria maculata

Genus *Pareiorhaphis* Miranda Ribeiro, 1918, currently *Hemipsilichthys*

Pareiorhaphis alipionis Gosline, 1947, currently

Isbrueckerichthys alipionis

Genus **Pareiorhina** Gosline, 1947

Pareiorhina rudolphi (Miranda Ribeiro, 1911)

Genus **Parotocinclus** Eigenmann & Eigenmann, 1889

Parotocinclus amazonensis Garavello, 1977

Parotocinclus aripuanensis Garavello, 1988

Parotocinclus bahiensis (Miranda Ribeiro, 1918)

Parotocinclus britskii Boeseman, 1974

Parotocinclus cearensis Garavello, 1977

Parotocinclus cesarpinto Miranda Ribeiro, 1939

Parotocinclus collinsae Schmidt & Ferraris Jr., 1985

Parotocinclus cristatus Garavello, 1977

Parotocinclus doceanus (Miranda Ribeiro, 1918)

Parotocinclus eppleyi Schaefer & Provenzano, 1993

Parotocinclus haroldoi Garavello, 1988

Parotocinclus jimi Garavello, 1977

Parotocinclus longirostris Garavello, 1988

Parotocinclus maculicauda (Steindachner, 1877)

Parotocinclus minutus Garavello, 1977

Parotocinclus polyochrus Schaefer, 1988

Parotocinclus spilosoma (Fowler, 1941)

Parotocinclus spilurus (Fowler, 1941)

Parotocinclus steindachneri Caporiacco, 1947

Genus **Peckoltia** Miranda Ribeiro, 1912

Peckoltia bachi (Boulenger, 1898)

Peckoltia braueri (Eigenmann, 1912)

Peckoltia brevis (La Monte, 1935)

Peckoltia filicaudata (Miranda Ribeiro, 1917)

Peckoltia kuhlmanni (Miranda Ribeiro, 1920)

Peckoltia oligospila (Günther, 1864)

Peckoltia vermiculata (Steindachner, 1908)

Peckoltia vittata (Steindachner, 1882)

Genus *Peckoltichthys* Miranda Ribeiro, 1917, currently

Peckoltia

Peckoltichthys filicaudatus Miranda Ribeiro, 1917, currently *Peckoltia filicaudata*

Peckoltichthys kuhlmanni Miranda Ribeiro, 1920, currently *Peckoltia kuhlmanni*

Genus **Planiloricaria** Isbrücker, 1971

Planiloricaria cryptodon (Isbrücker, 1971)

Genus *Plecostomus* Gronovius, 1839, currently

Loricariichthys

Genus *Plecostomus* Gronovius, 1854, currently

Hypostomus

Genus *Plecostomus* Bleeker, 1862, currently

Hypostomus

Plecostomus aculeatus Gronovius, 1854, currently

Ancistrus temminckii

Plecostomus affinis Steindachner, 1876, currently

Hypostomus affinis

Plecostomus agna Miranda Ribeiro, 1907, currently

Hypostomus agna

Plecostomus albopunctatus Regan, 1908, currently

Hypostomus albopunctatus

Plecostomus ancistroides Ihering, 1911, currently

Hypostomus ancistroides

Plecostomus angipinnatus Leege, 1922, currently

Hypostomus angipinnatus

Plecostomus angulicauda Steindachner, 1876,

currently *Delturus angulicauda*

Plecostomus annae Steindachner, 1882, currently

Squaliforma annae

Plecostomus argus Fowler, 1943, currently

Hypostomus argus

Plecostomus aspilogaster Cope, 1894, currently

Hypostomus aspilogaster

Plecostomus bicirrosus Gronovius, 1854, currently

Hypostomus plecostomus

Plecostomus biseriatus Cope, 187, currently

Squaliforma biseriata

Plecostomus bolivianus Pearson, 1924, currently

Hypostomus bolivianus

Plecostomus borellii Boulenger, 1897, currently

Hypostomus borellii

Plecostomus boulengeri Eigenmann & Kennedy, 1903,

currently *Hypostomus boulengeri*

Plecostomus brasiliensis Bleeker, 1862, currently

Hypostomus plecostomus

Plecostomus brevicauda Günther, 1864, currently

Hypostomus brevicauda

Plecostomus brevis Nichols, 1919, currently

Hypostomus brevis

Plecostomus carinatus Steindachner, 1882, currently

Watawata carinata



- Plecostomus carinotus* La Monte, 1933, currently
Delturus carinotus
Plecostomus carvalhoi Miranda Ribeiro, 1937,
 currently *Hypostomus carvalhoi*
Plecostomus cataphractus Gronovius, 1854, currently
Loricariichthys maculatus
Plecostomus chaparae Fowler, 1940, currently
Aphanotorulus popoi
Plecostomus commersonii scabriceps Eigenmann &
 Eigenmann, 1888, currently *Hypostomus scabriceps*
Plecostomus commersonoides Marini, Nichols & La
 Monte, 1933, currently *Hypostomus commersonoides*
Plecostomus cordovae Günther, 1880, currently
Hypostomus cordovae
Plecostomus derbyi Haseman, 1911, currently
Hypostomus derbyi
Plecostomus festae Boulenger, 1898, currently
Isorineloricaria festae
Plecostomus flagellaris Gronovius, 1854, currently
Loricaria cataphracta
Plecostomus fluviatilis Schubart, 1964, currently
Hypostomus fluviatilis
Plecostomus francisci Lütken, 1874, currently
Hypostomus francisci
Plecostomus garmani Regan, 1904, currently
Hypostomus garmani
Plecostomus gomesi Fowler, 1942, currently
Hypostomus gomesi
Plecostomus goyazensis Regan, 1908, currently
Hypostomus goyazensis
Plecostomus gymnorhynchus Norman, 1926, currently
Hypostomus gymnorhynchus
Plecostomus hemiurus Eigenmann, 1912, currently
Hypostomus hemiurus
Plecostomus hermanni Ihering, 1905, currently
Hypostomus hermanni
Plecostomus heylandi Boulenger, 1900, currently
Kronichthys heylandi
Plecostomus hondae Regan, 1912, currently
Cochliodon hondae
Plecostomus iheringi Fowler, 1942, currently
Hypostomus gomesi
Plecostomus iheringii Regan, 1908, currently
Hypostomus iheringii
Plecostomus interruptus Miranda Ribeiro, 1918,
 currently *Hypostomus interruptus*
Plecostomus jaguribensis Fowler, 1915, currently
Hypostomus jaguribensis
Plecostomus johnii Steindachner, 1876, currently
Hypostomus johnii
Plecostomus lacerta Nichols, 1919, currently
Kronichthys lacerta
Plecostomus laplatae Eigenmann, 1907, currently
Hypostomus laplatae
Plecostomus latirostris Regan, 1904, currently
Hypostomus latirostris
Plecostomus lexi Ihering, 1911, currently *Hypostomus*
lexi
Plecostomus lima Reinhardt, 1874, currently
Hypostomus lima
Plecostomus lima atropinnis Eigenmann & Eigenmann,
 1890, currently *Hypostomus atropinnis*
Plecostomus limosus Eigenmann & Eigenmann, 1888,
 currently *Hypostomus commersoni*
Plecostomus longiradiatus Holly, 1929, currently
Hypostomus longiradiatus
Plecostomus luetkeni Steindachner, 1877, currently
Hypostomus luetkeni
Plecostomus luteomaculatus Devincenzi & Teague,
 1942, currently *Hypostomus luteomaculatus*
Plecostomus luteus Godoy, 1980, currently
Hypostomus luteus
Plecostomus macrops Eigenmann & Eigenmann,
 1888, currently *Hypostomus macrops*
Plecostomus madeirae Fowler, 1913, currently
Aphanotorulus madeirae
Plecostomus margaritifer Regan, 1908, currently
Hypostomus margaritifer
Plecostomus margaritifer butantanis Ihering, 1911,
 currently *Hypostomus butantanis*
Plecostomus meleagris Marini, Nichols & La Monte,
 1933, currently *Hypostomus meleagris*
Plecostomus microps Steindachner, 1876, currently
Neoplecostomus microps
Plecostomus microps Ihering, 1907, currently
Pareiorhina rudolphi
Plecostomus micropunctatus La Monte, 1935,
 currently *Aphanotorulus micropunctatus*
Plecostomus myersi Gosline, 1947, currently
Hypostomus myersi
Plecostomus niger Marini, Nichols & La Monte, 1933,
 currently *Hypostomus niger*
Plecostomus nigromaculatus Schubart, 1964, currently
Hypostomus nigromaculatus
Plecostomus niveatus La Monte, 1929, currently
Dekeyseria niveata
Plecostomus nudiventris Fowler, 1941, currently
Hypostomus nudiventris
Plecostomus obtusirostris Steindachner, 1907,
 currently *Hypostomus obtusirostris*
Plecostomus paulinus Ihering, 1905, currently
Hypostomus paulinus
Plecostomus pellegrini Regan, 1904, currently
Pseudorinelepis genibarbis
Plecostomus phrixosoma Fowler, 1940, currently
Squaliforma phrixosoma
Plecostomus plecostomus panamensis Eigenmann,
 1922, currently *Hemiancistrus aspidolepis*
Plecostomus plecostomus papariae Fowler, 1941,
 currently *Hypostomus papariae*



Plecostomus popoi Pearson, 1924, currently
Aphanotorulus popoi
Plecostomus pusarum Starks, 1913, currently
Hypostomus pusarum
Plecostomus rachovii Regan, 1913, currently
Hypostomus rachovii
Plecostomus regani Ihering, 1905, currently
Hypostomus regani
Plecostomus rondoni Miranda Ribeiro, 1912, currently
Hypostomus rondoni
Plecostomus scaphyiceps Nichols, 1919, currently
Hypostomus scaphyiceps
Plecostomus scopularius Cope, 1871, currently
Squaliforma scopularia
Plecostomus seminudus Eigenmann & Eigenmann,
 1888, currently *Hypostomus seminudus*
Plecostomus spilosoma Fowler, 1941, currently
Parotocinclus spilosoma
Plecostomus spilurus Fowler, 1941, currently
Parotocinclus spilurus
Plecostomus spiniger Hensel, 1870, currently
Hypostomus commersoni
Plecostomus spinosissimus Steindachner, 1880,
 currently *Isorineloricaria spinosissima*
Plecostomus strigaticeps Regan, 1908, currently
Hypostomus strigaticeps
Plecostomus taeniatus Regan, 1908, currently
Hypostomus taeniatus
Plecostomus tenuicauda Steindachner, 1878, currently
Hypostomus tenuicauda
Plecostomus ternetzi Boulenger, 1895, currently
Hypostomus ternetzi
Plecostomus tietensis Ihering, 1905, currently
Hypostomus tietensis
Plecostomus topavae Godoy, 1969, currently
Hypostomus topavae
Plecostomus unae Steindachner, 1878, currently
Hypostomus unae
Plecostomus unicolor Steindachner, 1908, currently
Aphanotorulus unicolor
Plecostomus vaillanti Steindachner, 1877, currently
Hypostomus vaillanti
Plecostomus variipictus Ihering, 1911, currently
Hypostomus variipictus
Plecostomus varimaculosus Fowler, 1945, currently
Hypostomus varimaculosus
Plecostomus variostictus Miranda Ribeiro, 1912,
 currently *Hypostomus variostictus*
Plecostomus vermicularis Eigenmann & Eigenmann,
 1888, currently *Hypostomus vermicularis*
Plecostomus villarsi Lütken, 1874, currently
Squaliforma villarsi
Plecostomus virescens Cope, 1874, currently
Squaliforma virescens
Plecostomus wertheimeri Steindachner, 1867,

currently *Pogonopoma wertheimeri*
Plecostomus winzi Fowler, 1945, currently
Hypostomus winzi
Plecostomus wuchereri Günther, 1864, currently
Hypostomus wuchereri

Genus **Pogonopoma** Regan, 1904
Pogonopoma wertheimeri (Steindachner, 1867)

Genus **Pogonopomoides** Gosline, 1947
Pogonopomoides parahybae (Steindachner, 1877)

Genus *Pristiancistrus* Fowler, 1945, currently *Ancistrus*
Pristiancistrus eustictus Fowler, 1945, currently
Ancistrus eustictus

Genus **Proloricaria** Isbrücker, 2001
Proloricaria lentiginosa (Isbrücker, 1979)
Proloricaria proluxa (Isbrücker & Nijssen, 1978)

Genus **Pseudacanthicus** Bleeker, 1862
Pseudacanthicus fordii (Günther, 1868)
Pseudacanthicus histrix (Valenciennes, 1840)
Pseudacanthicus leopardus (Fowler, 1914)
Pseudacanthicus serratus (Valenciennes, 1840)
Pseudacanthicus spinosus (Castelnau, 1855)

Genus **Pseudancistrus** Bleeker, 1862
Pseudancistrus atratoensis Dahl, 1960, currently
Dolichancistrus atratoensis
Pseudancistrus barbatus (Valenciennes, 1840)
Pseudancistrus carnegiei Eigenmann, 1916, currently
Dolichancistrus carnegiei
Pseudancistrus coquenani (Steindachner, 1915)
Pseudancistrus depressus (Günther, 1868)
Pseudancistrus genisetiger Fowler, 1941, currently
Lithoxancistrus genisetiger
Pseudancistrus guentheri (Regan, 1904)
Pseudancistrus luderwaldti Miranda Ribeiro, 1918,
 currently *Hemipsilichthys luderwaldti*
Pseudancistrus nigrescens Eigenmann, 1912
Pseudancistrus papariae Fowler, 1941, currently
Lithoxancistrus papariae
Pseudancistrus pediculatus Eigenmann, 1917,
 currently *Dolichancistrus pediculatus*
Pseudancistrus pediculatus cobrensis Schultz, 1944,
 currently *Dolichancistrus cobrensis*
Pseudancistrus torbesensis Schultz, 1944, currently
Cordylancistrus torbesensis

Genus *Pseudocanthicus* Steindachner, 1915, currently
Pseudocanthicus
Pseudocanthicus fimbriatus Steindachner, 1915,
 currently *Exastilithoxus fimbriatus*



Genus **Pseudohemiodon** Bleeker, 1862
Pseudohemiodon amazonus (Delsman, 1941)
Pseudohemiodon apithanos Isbrücker & Nijssen, 1978
Pseudohemiodon cryptodon Isbrücker, 1971, currently *Planiloricaria cryptodon*
Pseudohemiodon devincenzii (Soriano S., 1950)
Pseudohemiodon lamina (Günther, 1868)
Pseudohemiodon laticeps (Regan, 1904)
Pseudohemiodon platycephalus (Kner, 1854)
Pseudohemiodon thorectes Isbrücker, 1975

Genus **Pseudolithoxus** Isbrücker & Werner, 2001
Pseudolithoxus anthrax (Armbruster & Provenzano, 2000)
Pseudolithoxus dumus (Armbruster & Provenzano, 2000)
Pseudolithoxus nicoi (Armbruster & Provenzano, 2000)
Pseudolithoxus tigris (Armbruster & Provenzano, 2000)

Genus **Pseudoloricaria** Bleeker, 1862
Pseudoloricaria laeviuscula (Valenciennes, 1840)

Genus **Pseudorinelepis** Bleeker, 1862
Pseudorinelepis genibarbis (Valenciennes, 1840)

Genus **Pseudotocinclus** Nichols, 1919
Pseudotocinclus intermedius Nichols, 1919, currently *Pseudotocinclus tietensis*
Pseudotocinclus ribeiroi Gomes, 1955, currently *Schizolecis guentheri*
Pseudotocinclus tietensis (Ihering, 1907)

Genus **Pseudotothyris** Britski & Garavello, 1984
Pseudotothyris janeirensis Britski & Garavello, 1984
Pseudotothyris obtusa (Miranda Ribeiro, 1911)

Genus *Psilichthys* Steindachner, 1907, currently *Hemipsilichthys*
Psilichthys cameroni Steindachner, 1907, currently *Hemipsilichthys cameroni*

Genus **Pterosturisoma** Isbrücker & Nijssen, 1978
Pterosturisoma microps (Eigenmann & Allen, 1942)

Genus *Pterygoplichthys* Bleeker, 1862, currently *Pterygoplichthys*
Pterygoplichthys anisitsi Eigenmann & Kennedy, 1903, currently *Liposarcus ambrosettii*
Pterygoplichthys juvenis Eigenmann & Kennedy, 1903, currently *Liposarcus ambrosettii*

Genus **Pterygoplichthys** Gill, 1858

Pterygoplichthys etentaculatus (Agassiz, 1829)
Pterygoplichthys parananus Peters, 1881, currently *Megalancistrus parananus*
Pterygoplichthys undecimalis (Steindachner, 1878)
Pterygoplichthys zuliaensis Weber, 1991
Genus **Pyxiloricaria** Isbrücker & Nijssen, 1984
Pyxiloricaria menezesi Isbrücker & Nijssen, 1984

Genus **Quiritixys** Isbrücker, 2001
Quiritixys leiopleura (Oyakawa, 1993)

Genus **Reganella** Eigenmann, 1905
Reganella depressa (Kner, 1854)

Genus **Rhadinoloricaria** Isbrücker & Nijssen, 1974
Rhadinoloricaria macromystax (Günther, 1869)

Genus **Rhinelepis** Agassiz, 1829
Rhinelepis agassizii Steindachner, 1877, currently *Pseudorinelepis genibarbis*
Rhinelepis aspera Agassiz, 1829
Rhinelepis levis Pearson, 1924, currently *Cochliodon levis*
Rhinelepis lophophanes Eigenmann & Eigenmann, 1889, currently *Othothyris lophophanes*
Rhinelepis parahybae Steindachner, 1877, currently *Pogonopomoides parahybae*
Rhinelepis rudolphi Miranda Ribeiro, 1911, currently *Pareiorhina rudolphi*
Rhinelepis strigosa Valenciennes, 1840

Genus *Rhineloricaria* Berg, 1893, currently *Rineloricaria*
Rhineloricaria morrowi Fowler, 1940, currently *Hemiloricaria morrowi*
Rhineloricaria petleyi Fowler, 1940, currently *Limatulichthys petleyi*
Rhineloricaria wolfei Fowler, 1940, currently *Hemiloricaria wolfei*

Genus *Rhinolepis* Borodin, 1927, currently *Rhinelepis*
Rhinolepis paraguensis Borodin, 1927, currently *Otocinclus vittatus*

Genus *Rinelepis* Valenciennes, 1840, currently *Rhinelepis*
Rinelepis acanthicus Valenciennes, 1840, currently *Acanthicus hystrix*
Rinelepis genibarbis Valenciennes, 1840, currently *Pseudorinelepis genibarbis*
Rinelepis histrix Valenciennes, 1840, currently *Pseudacanthicus histrix*
Rinelepis strigosa Valenciennes, 1840, currently *Rhinelepis strigosa*



Genus **Ricola** Isbrücker & Nijssen, 1978
Ricola macrops (Regan, 1904)

Genus **Rineloricaria** Bleeker, 1862
Rineloricaria aequalicuspis Reis & Cardoso, 2001
Rineloricaria cadeae (Hensel, 1868)
Rineloricaria castroi Isbrücker & Nijssen, 1984,
 currently *Hemiloricaria castroi*
Rineloricaria catamarcensis (Berg, 1895)
Rineloricaria cubataonis (Steindachner, 1907)
Rineloricaria felipponei (Fowler, 1943)
Rineloricaria formosa Isbrücker & Nijssen, 1979,
 currently *Hemiloricaria formosa*
Rineloricaria hasemani Isbrücker & Nijssen, 1979,
 currently *Hemiloricaria hasemani*
Rineloricaria henselii (Steindachner, 1907)
Rineloricaria heteroptera Isbrücker & Nijssen, 1976,
 currently *Leliella heteroptera*
Rineloricaria jaraguensis (Steindachner, 1909)
Rineloricaria kronei (Miranda Ribeiro, 1911)
Rineloricaria latirostris (Boulenger, 1900)
Rineloricaria lima (Kner, 1854)
Rineloricaria longicauda Reis, 1983
Rineloricaria maquinensis Reis & Cardoso, 2001
Rineloricaria microlepidogaster (Regan, 1904)
Rineloricaria microlepidota (Steindachner, 1907)
Rineloricaria parei (Fowler, 1943)
Rineloricaria pentamaculata Langeani & Araujo,
 1994
Rineloricaria quadrensis Reis, 1983
Rineloricaria steindachneri (Regan, 1904)
Rineloricaria strigilata (Hensel, 1868)
Rineloricaria thrissoceps (Fowler, 1943)

Genus **Schizolecis** Britski & Garavello, 1984
Schizolecis guentheri (Miranda Ribeiro, 1918)

Genus **Scobinancistrus** Isbrücker & Nijssen, 1989
Scobinancistrus aureatus Burgess, 1994
Scobinancistrus pariolispos Isbrücker & Nijssen,
 1989

Genus **Sophiancistrus** Isbrücker & Seidel, 2001
Sophiancistrus arenarius (Eigenmann & Allen, 1942)
Sophiancistrus ucayalensis (Fowler, 1940)

Genus **Spatuloricaria** Schultz, 1944
Spatuloricaria atratoensis Schultz, 1944
Spatuloricaria caquetae (Fowler, 1943)
Spatuloricaria curvispina (Dahl, 1941)
Spatuloricaria euacanthagenys Isbrücker, 1979
Spatuloricaria evansii (Boulenger, 1892)
Spatuloricaria fimbriata (Eigenmann & Vance, 1912)
Spatuloricaria gymnogaster (Eigenmann & Vance,
 1912)

Spatuloricaria nudiventris (Valenciennes, 1840)
Spatuloricaria phelpsi Schultz, 1944
Spatuloricaria puganensis (Pearson, 1937)

Genus **Spectracanthicus** Nijssen & Isbrücker, 1987
Spectracanthicus murinus Nijssen & Isbrücker, 1987

Genus **Squaliforma** Isbrücker & Michels, 2001
Squaliforma annae (Steindachner, 1882)
Squaliforma biseriata (Cope, 1872)
Squaliforma emarginata (Valenciennes, 1840)
Squaliforma horrida (Kner, 1854)
Squaliforma phrixosoma (Fowler, 1940)
Squaliforma scopularia (Cope, 1871)
Squaliforma squalina (Jardine, 1841)
Squaliforma tenuis (Boeseman, 1968)
Squaliforma verres (Valenciennes, 1840)
Squaliforma villarsi (Lütken, 1874)
Squaliforma virescens (Cope, 1874)
Squaliforma watwata (Hancock, 1828)

Genus *Stoneiella* Fowler, 1914, currently
Pseudacanthicus
Stoneiella leopardus Fowler, 1914, currently
Pseudacanthicus leopardus

Genus *Sturiosoma* Fowler, 1940, currently *Sturisoma*
Sturiosoma nigrirostrum Fowler, 1940, currently
Sturisoma nigrirostrum

Genus **Sturisoma** Swainson, 1838
Sturisoma aureum (Steindachner, 1900)
Sturisoma barbatum (Kner, 1854)
Sturisoma brevirostre (Eigenmann & Eigenmann,
 1889)
Sturisoma dariense (Meek & Hildebrand, 1913)
Sturisoma festivum Myers, 1942
Sturisoma frenatum (Boulenger, 1902)
Sturisoma guentheri (Regan, 1904)
Sturisoma kneri (De Filippi, 1940)
Sturisoma lyra (Regan, 1904)
Sturisoma monopelte Fowler, 1914
Sturisoma nigrirostrum Fowler, 1940
Sturisoma panamense (Eigenmann & Eigenmann,
 1889)
Sturisoma robustum (Regan, 1904)
Sturisoma rostratum (Agassiz, 1829)
Sturisoma tenuirostre (Steindachner, 1910)

Genus **Sturisomatichthys** Isbrücker & Nijssen, 1979
Sturisomatichthys caquetae (Fowler, 1945)
Sturisomatichthys citurensis (Meek & Hildebrand,
 1913)
Sturisomatichthys leightoni (Regan, 1912)
Sturisomatichthys tamanae (Regan, 1912)



Genus *Thysanocara* Regan, 1906, currently *Ancistrus*

Genus **Upsilodus** Miranda Ribeiro, 1924
Upsilodus victori Miranda Ribeiro, 1924

Genus **Watawata** Isbrücker & Michels, 2001
Watawata carinata (Steindachner, 1882)
Watawata microstomus (Weber, 1987)
Watawata roseopunctata (Reis, Weber & Malabarba, 1990)

Genus *Xenocara* Regan, 1904, currently *Ancistrus*
Xenocara boliviana Steindachner, 1915, currently *Ancistrus bolivianus*
Xenocara brevipinnis Regan, 1904, currently *Ancistrus brevipinnis*
Xenocara damasceni Steindachner, 1907, currently *Ancistrus damasceni*
Xenocara fulva Holly, 1929, currently *Ancistrus fulvus*
Xenocara heterorhynchus Regan, 1912, currently *Ancistrus heterorhynchus*

Xenocara macrophthalmia Pellegrin, 1912, currently *Ancistrus macrophthalmus*
Xenocara montana Regan, 1904, currently *Ancistrus montanus*
Xenocara multispinis Regan, 1912, currently *Ancistrus multispinis*
Xenocara occidentalis Regan, 1904, currently *Ancistrus occidentalis*
Xenocara rothschildi Regan, 1905, currently *Ancistrus rothschildi*

Genus *Xenomystus* Lütken, 1874, currently *Hemipsilichthys*
Xenomystus gobio Lütken, 1874, currently *Hemipsilichthys gobio*

Genus **Zonancistrus** Isbrücker, 2001
Zonancistrus brachyurus (Kner, 1854)
Zonancistrus pictus (Kner, 1854)
Zonancistrus pulcher (Steindachner, 1915)

Differences with the original German Nomenclator

Dr Richard van der Laan recently kindly sent me some improvements to the original list, such as 1) brackets around author name and year of Gosline, 1947 who originally published *Hypostomus myersi* in *Plecostomus*, 2) the gender of *Oxyropsis* (which is feminine rather than masculine), and 3) the three species of *Otothyris*, described by Garavello, Britski & Schaefer, 1998, which inadvertently were not included in 2001. In addition, I subsequently noted that *Hypostomus affinis*, *H. aspilogaster*, *H. borelli*, *H. commersonoides*, and *H. cordovae* were inadvertently omitted from the first list as valid species, although they were correctly referred to *Hypostomus* under *Plecostomus*, their original genus.

Five species were validly described and named since the issue of the German Nomenclature. These are recorded in the present list. They are *Ancistrus aguaboensis* and *A. minutus*, *Hypancistrus inspector*, *Rineloricaria aequalicuspis* and *R. maquinensis*. This brings the total number of validly described species of Loricariidae to 692 in 108 genera, a fresh count. The total numbers mentioned in the previous list, 684 (but 687 in Isbrücker, 2002) species in 107 genera, was too low, partly due to some of the omissions corrected here. Correctly counting zoological names is obviously often a quite complicated matter, particularly if only the valid ones are given.

Some of the forms yet considered as mere synonyms might prove to represent valid species as well. But especially the ongoing discovery and description of new species will soon raise the number over 700.

Considering the high rate in which many of such new species is currently being discovered, we might expect that the diversity of observed representatives of Loricariidae will rise beyond the magic number of one thousand.

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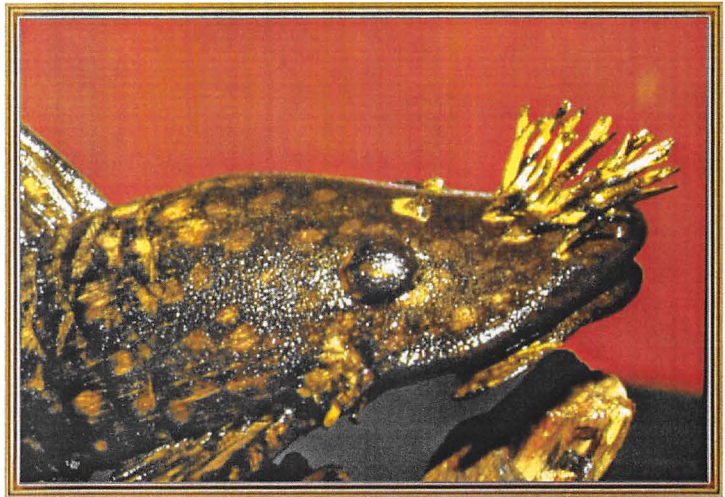
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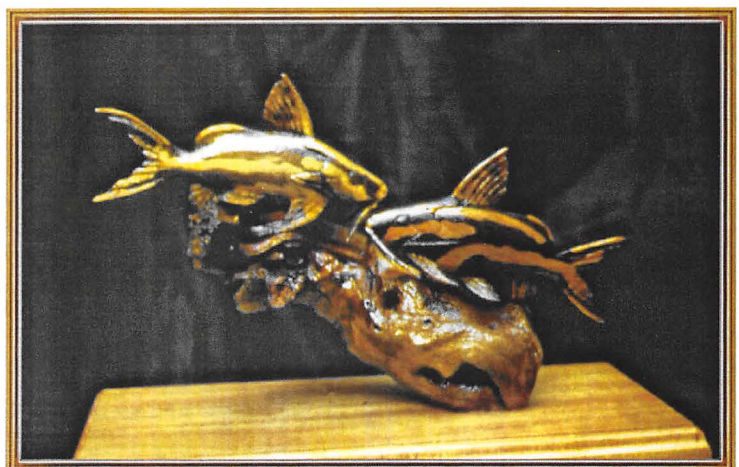
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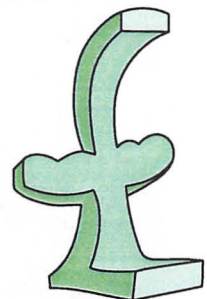
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