

Papéis Avulsos de Zoologia

CURRENT STATUS OF JOÃO DE PAIVA CARVALHO'S FISH TYPES

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The Brazilian naturalist João de Paiva Carvalho worked at the Instituto Oceanográfico da Universidade de São Paulo from 1946 until his death in 1961. During this period he authored or coauthored descriptions of 13 fish species; the types were deposited at the Instituto Oceanográfico (IO) or other institutions. After Carvalho's death some specimens deteriorated and were discarded. The Instituto moved to new quarters in 1970 and about that time agreement was reached for transfer of the existing collection, including extant types, to the Museu de Zoologia da Universidade de São Paulo (MZUSP). Confusion recently developed regarding the location of certain of Carvalho's specimens and since some type material has presumably been lost, a report on the present status of these fishes seems appropriate.

The original depository, catalog number (if any), present location and number, together with the bibliographic source, are shown for Carvalho's types in Table 1. Paratypes of species described by Hildebrand and Carvalho (1948), unnumbered in the original description, have since been cataloged at the U. S. National Museum of Natural History (USNM), and the Museum of Comparative Zoology, Harvard University (MCZ). The number of specimens in each lot of paratypes is shown in parentheses. Specimens "presumably lost" are no longer in the original depository and were not found during a recent search of the Museu Nacional do Rio de Janeiro (MNI).

Neopercis has since been treated as a junior synonym of *Parapercis* (Schultz, 1960) and the preoccupied *Springeria* has been replaced by *Jopaica* (Pinto, 1970); the remaining names are presently considered valid.

REFERENCES

CARVALHO, J. P.

1950. *Anchoviella hildebrandi* n. sp. Engraulideo do Rio Paraguaçu — Bahia. *Bol. Inst. Paulista Ocean.* 1 (2): 77-81, 1 fig.
1962. *Adenops dissimilis* n. sp., de Peixe Rei (Fam. Atherinidae — subfam. Menidiinae). *Ibidem* 1 (1-2): 93-102, 1 pl.

Table 1. Original depositories, catalog numbers, and observations on present status of types of fishes described by J.P. Carvalho

Name	HOLOTYPE		PARATYPES		Reference
	Original NP depository	Present status	Original NP and depository	Present status	
<i>Anchoa nasuta</i>	USNM 143903	Same	USNM (5)	USNM 143904 (4) Lost (1)	Hildebrand & Carvalho, 1948
<i>Anchoa ubatuba</i>	USNM 143908	'	USNM (1)	USNM 143905 (1)	'
<i>Anchoveilla victorica</i>	USNM 143901	'	USNM (3)	USNM 143902 (3)	'
<i>Anchoveilla nitida</i>	USNM 143906	'	USNM (2)	USNM 143907 (1) MCZ 37254 (1)	'
<i>Anchoveilla hildebrandi</i>	IO	Presumably lost	IO (15)	Presumably lost	Carvalho, 1950
<i>Adenops diastilis</i>	IO 303	MZUSP 9401	IO (4)	MZUSP 9402-05 (4)	Carvalho, 1956a
<i>Neoperca atlantica meridionalis</i>	IO 308	Presumably lost			Carvalho, 1956b
<i>Cokeridia kathetostoma</i>	IO 643a	MNI 9783			Carvalho, 1957
<i>Paramyxodagnus moreirai</i>	MNI 9770	Same			Carvalho & Pinto, 1965
<i>Paramyxodagnus mangaratibensis</i>	MNI 9404	"	MNI 9771 (1)	Same	"
<i>Paragillichthys macropoma</i>	MNI 9772	"			"
<i>Sprattleria santosi</i>	MNI 9218	"			'
<i>Tamandaresia olivetrat</i>	MNI 9218	'			"

- 1956b. *Neopercis atlanticus meridionalis* n. subsp., Perciforme da região leste meridional do Brasil (Pisces — Mugiloididae). *Ibidem* 1 (1-2): 199-206, 3 figs.
1957. *Cokeridia kathetostoma* n. sp. da fam. Dactyloscopidae. *Contr. Avul. Inst. Ocean. Univ. São Paulo, Ocean. Biol.* (1), 7 pp., 3 figs.
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1965. Novos dactyloscopídeos da Costa Brasileira (Actinopterygii — Perciformes). *Arg. Est. Biol. Mar.*, Univ. Ceará, 5 (2): 107-117, 12 figs.
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1948. Notes on some Brazilian anchovies (Family Engraulidae) with description of four new species. *Copeia* 1948 (4): 285-296, 4 figs.
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1970. *Jopaica* "nomen novum" para *Springeria* Carvalho & Pinto, 1965 (Actinopterygii, Perciformes, Dactyloscopidae). *Atas Soc. Biol. Rio de Janeiro* 12 (suppl.): 47.
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1960. Mugiloididae, in Fishes of the Marshall and Mariana Islands. Vol. 2. *Bull. U. S. Nat. Mus.* 202: 266-273.

Note: Instead of MNI 9218 read MNI 9406 for the holotype of *Springeria santosi* (Table 1).

