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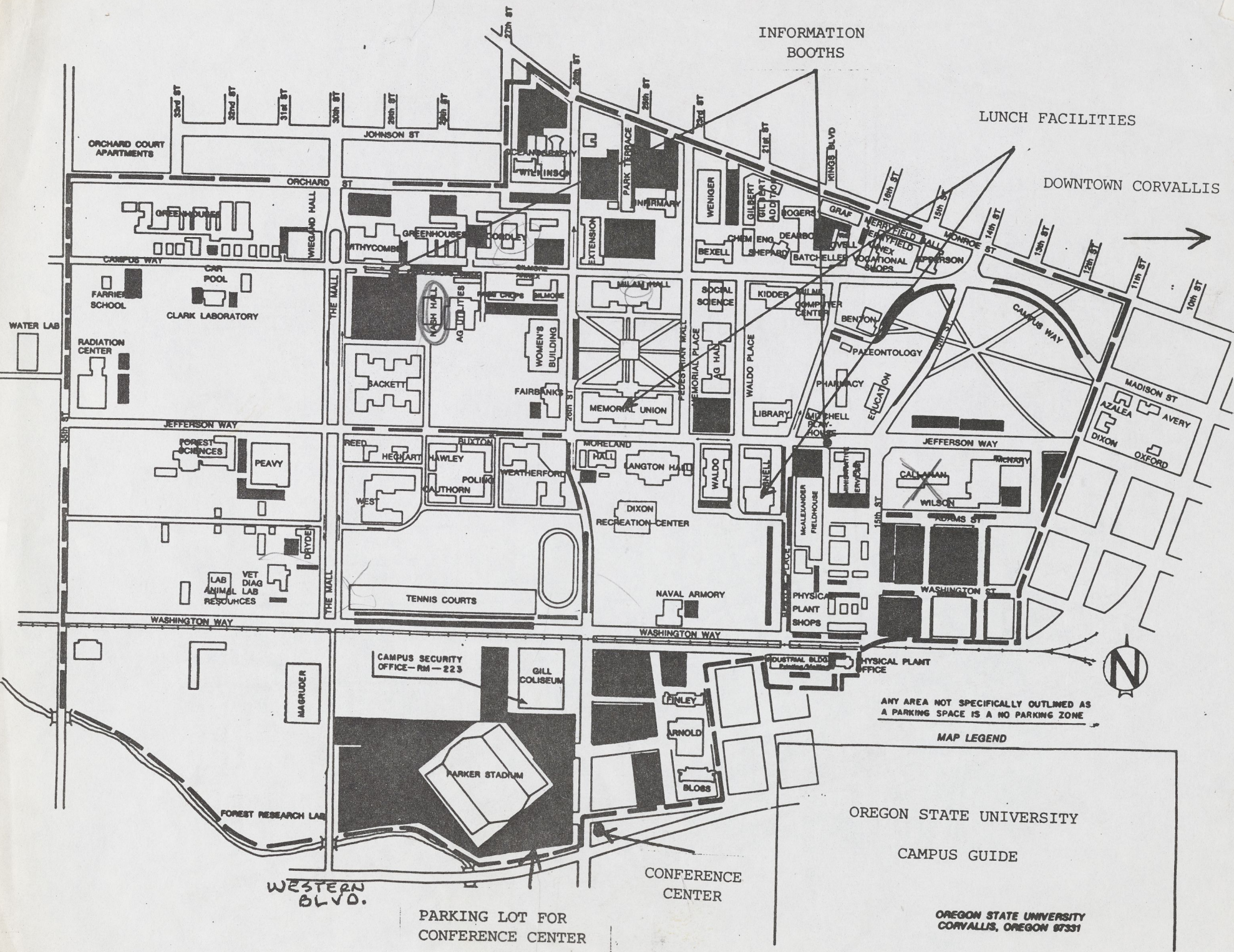
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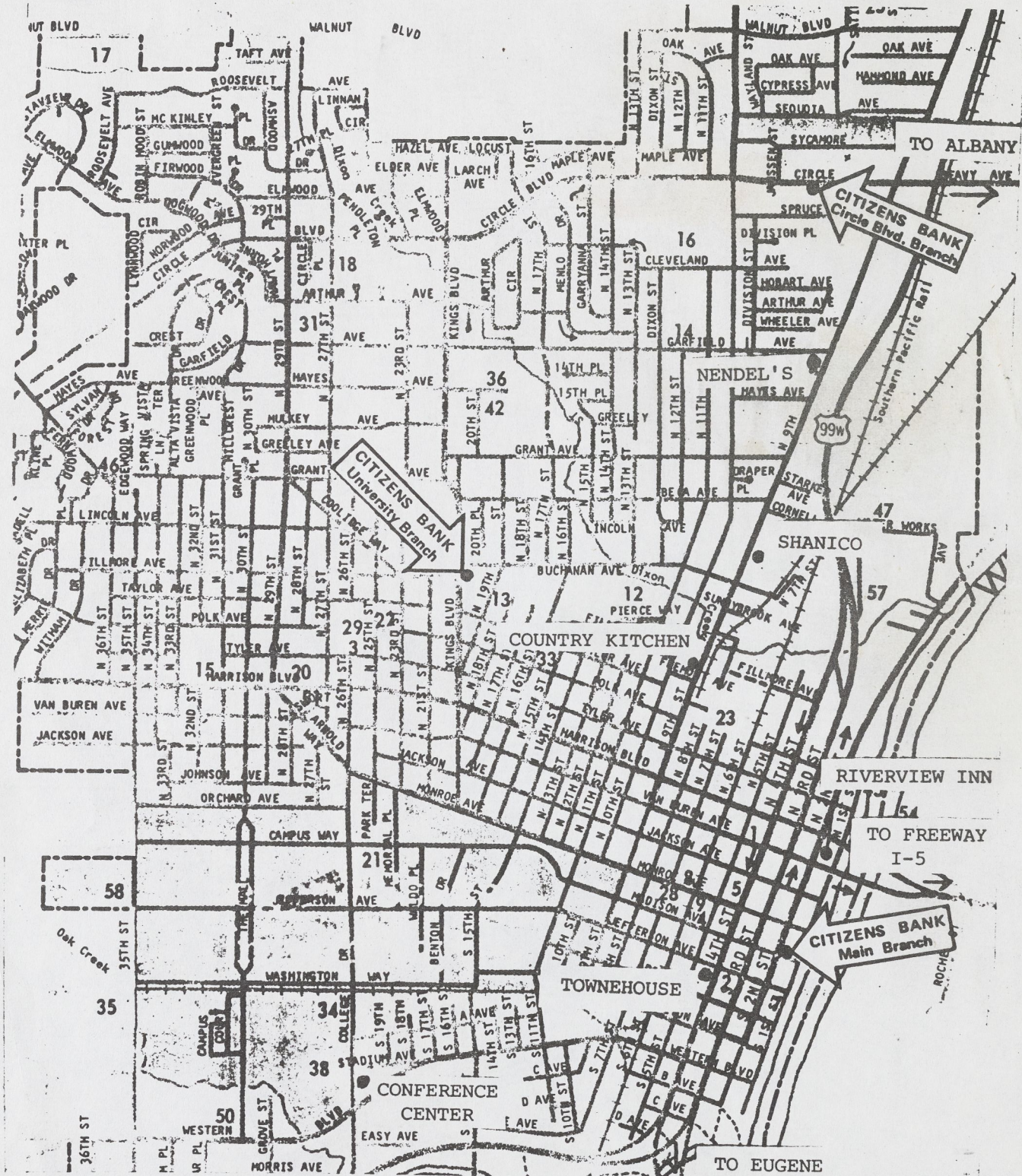
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CORVALLIS, OREGON 97331

CORVALLIS MAP

(showing main motels)



Goren, 1974. Freshwater fishes Israel, Israel, 5, vol. 23: 67-118. - microgex prob syn. Acanthobrama.

Armentrout, N.B. 1981. The freshwater fishes of Iran. Ph.D. Thesis, O.S.U. 472p.

p. 97. S. trutta. Regab R. MMTT, no # - true, Karun D# 8, A# 7 (= S. t. microstigma).

r2leas 15

p. 108 - Saadati's Phoxinellus - description close to P. tricolor (Lortet 1883) only dif. tricolor head l. exceeds body depth (reverse in Saadati's specimens. - suspect = tricolor: Palestine, Damascus, Tigris at Baghdad. - K. Half - fishes Iraq - Leuciscus cephalus orientalis - Caspian, Nannu.

L. c. lepidus - Tigris

Chalcobrama mos sulensis - 2 spec. USNM 143852

Batman. Suye, Turkey listed as C. m. have high scale count, elongated body short head - Tigris basin

Ladiges 1960. Südwasser Türkei Pt. 1. Cyprinidae

Mitt. 58: 105-150 - lists C. mos sulensis

delineatus (Battalgil 1942) from upper Tigris, Turkey

Chal. mega cephalus (Heckel 1846) - Kor K., Erfa han.

(Heckel's A. mega cephalus fr. Peresopolis)

\*USNM 48008 - "A. iblis" - Pergii R., Kurdistan

has 26 gillrakers, very elongated body small head, eye small 17% head length. l.l. 81/82

Alburnus deciduous scales, hooked, serrated pharygeals

Alburnus gaderanus - Saadati spec. + A. tropatenar same

-- A. "maculatus" Ziadeneid + Qom K

Alburnus #1 - Shilat specimen Ziadeneid near Tafahar

Differs fm. other Alburnus in anal rays, l.l. scales, & lower gillrakers.

NOT 2X  
characters  
given

Alburnus \* 2 MMT 54 Golpaygon res. 1920

Anal 7-8 - lowest of desiccating basin Alburnus - rakers short, stocky, few, 39-54 scales -

- A. heckeli Battalgil - no ref. ! - USNM 143855  
Types in Turkey & Iran near Iraq border, Sent by Kossow  
labeled as A. heckeli 26-37 gillrakers - "A. ibli" USNM  
seems same M pharyngeals - hooked but not pronounced -  
(see Ladiges 1960) -

why ?? A. capilo - Tigris, Kurdistan - Saadati -

valid !! ~~of~~ Alburnus mossulensis MMT 547-548 - Spring Kermanshah

\* trip - 5 km. Malayer - Dec. 1, 74 - Lower Tigris, Iran

Alburnoides \* 1 O.S. 4261 Karun drainage -

NO DESCRIPTION !! A. Saadati described 2 forms same area, all seem similar.

Acanthobrama not reported from Iran !?

Goren separated A. terrae-sanctae new genus Microgex.

A. leissneri - L. Tiberis.

Esther? Heucalburnus - very close to Chalcalburnus but lacks scaleless ventral keel! - keel like in Acanthobrama.

Xenocypris identified by Nünzner (66) = Pimephales promelas

NO! - Parsteuogobio MMT. = P. p. - Xenocypris = Acanthobrama!

Chondrostoma \* 1 USNM 143865 Turkey 32-38 rakers

(vs. 27-34) - Chondr. \* 2 - Samarsiyab, Karun system - Shilat.

elongated peduncle, Chondr. \* 3 MMT 614 - Takte Bastan

51-53 scales 19 rakers, 8 A. - Chondrost. \* 4

Dez R. - 22-24 rakers D 8, \* 5 Karun seems as \* 7.

Discognathus \* 1 (Mesker) says Bampur basin! No -

Wisognathus \* 2 USNM 205905 Spring, Sarbag R. - crest in peduncle - Discog. \* 3 - Dashte R. - Baluchistan MMT 167 - ill. 43

Armsutrat II

G. persica USNM 11706 Khizbad in Zirkuh (East Khorasan). type specimen obtained fm. USSR - USNM 11707,

Bampur R. - MMTT 452 Helmand R. -

G. arabica <sup>Horz 1921</sup> USNM 166888, King's Garden, Yemen, S.W. Arabia 1951. (see Fowler & Steinitz 56) -

Garrus \*1 kar drainage, Mand basin (Szedeti) -

near \* G. barneimiae G. \*2, \*3, \*4; (trip) - Gulf drainage

\*4 - - Minab - differs Szedeti's description D II-7, us. III-7,

III 6 vs. III 5, dl. 31-33 vs. 36-38,

Crossocheilus ediscus Helmand R. - USNM 265892 MMTT 452

Kanzman combined Crossocheilus & Tylognathus elegans under

Hemigramma - but prob. wrong!

Labeo native to Dashte & Meshkel basins of Pakistan

Prob. Nikolsky's Barbus bampurensis = Labeo - tentatively conclude 2 forms fm. Mekran are Labeo,

Pakistan L. gedrosicus Zugmayer 1912 endemic to Meshkel basin

L. macmahoni " " Dashte & Meshkel basins

\* Hemigramma capetz - Palestine, upper Tigris - Euphrat

H. manus Jordan R.

Tylognathoides - Lebanon

Rosswigobarbus - Tigris, Turkey

Varicorhinus capetz - gracillis <sup>Qom</sup> ~~Er~~ & ~~Isfenderud~~ - valid sp.

can't be used fm. Caspian fm - V. c. \*2 - Nardin Village (bet. Nardin - Caspian-Gorgan drainage - No. - Dashte basin)

Var. <sup>sp.</sup> \*1 OS 4265 - Zannein eh rud - S.

Rezaieh basin fewer scales, larger head. - No dztz.!!

V. aculeatus - Qom - Arak - Tigris Hamuzelan -

+ Nain Mosque i - No. 2 macrolepis -

V. buhsei - Tehran - N. melk basin -

V. gracilis - Malekabad - Gunst, E. Anat. Dec. 2, 74 -

V. chebisiensis (Reyserling 1861) - Zanderud -

MMT 622-625, 979 - similar to V. buhsei  
but weak D ray, 13-17 rakers - buhsei maybe subspec.

V. chebisiensis :

Juncus <sup>??</sup> syn = V. steindachneri Kessler 1874 - Gunther 89, Berg 33

Gunther 1889  
Trans. Linn. Soc. 106-109  
London (2) 5: 106-109  
Gunther - at Kushk & Nushri - Afghanistan - Sarafschah,  
R. adjacent to Juncus - seems similar, slightly  
more scales, stouter D spine.

V. #2 - northern m.e. Kavi (Trip) - close to  
aculeatus - differs scales, rakers, elongate body.

V. rostratus <sup>Yazd</sup> Reyserling 1861 - Trip specimen

Yazd, Kerman, Sijar, S. Lat. - blotched V. domusana

V. macrolepis - Zanderud, Kor, Tigres - similar

V. aculeatus but <sup>weaker</sup> stronger D, fewer rakers, deeper body

V. emir - Trip - Shiraz - Mahardu basin

o? V. #3 - Tigres, Mond - Trip, Jshrom Nov. 26, 74

→ - undescribed sp. - needs redescription - ?? - NO DATA.

V. #5 - Bampur basin - closely resembles

V. rostratus in adjoining basins & V. chebisiensis of Jshrom.

→ V. #6 - Minab - Trip - differs other Baluchistan  
forms - more rakers, stronger D ray - close to Mond. R. form.

\* Cyprinich - Barbus albus alpinus - Heckel (46) f.

Mond. R. - appears similar to Lar R. Szodeti:

(26<sup>ll</sup> 2 pr barbels) B. lateris - appears intermediate Barbus -

Cyprinich - Cyprinich #4 - Nov. 25, Lat - 39-44 d.l.

Noemzbeckus \* 3. trip Minab R. Nov 22

minute scales, nostrils far back, near eye no dermal crest.

N. insignis - Jordan R. -

N. insignis euphraticus - Malayer, trip

Cichlidae \* 1 - Kol R.

\* 2 "Salt R. Fan." - doesn't know where

! - Actually, Melvian - near Baetah - rd. to L2 r.

Por, FID, 75. An outline of the zoogeography of the  
Levant. Zoologica Scripta 4: 5-20

Kusswig - 55 - Zool. mid. East. Syst. Zool. - 4(2)



# Argument about III

- Cyprinion watsoni, C. microphthalmus both listed  
as fm. Karvendar, Bampur R. ~~Near~~ + Trip. Nov. 15  
Zaboli Rd. - Minab - - - But no discussion, date  
on how he distinguishes the 2 sp. !!

- Barbus albus Hecke 1843 from Oronte R. fr.  
Orfa, + upper Euphrates - subsp. alpinus Mond team  
21-24 l. l. 9 rakes to 10 A 7

B. luteus - Palestine - Tigris - Euphrates - Mond, Gulf-  
unserated D spine?

B. kossuigi Kar. 1971 - Malaya. Dec. 1, 74 -

Barbus \*4 USNM 200308 Khorramabad R. - Karun  
72-73 l. l. 17-20 rakes (6-9 kossuigi)

Mirza M.R. 1974. Freshwater fishes and ichthyogeography  
of Baluchistan and adjoining areas of the Indus Plain,  
Pakistan. Biologia 20 (1): 67-82  
18 (2): 153-190, - pointed out  
if type Schizothorax has labial sucker (China) - Iranian,  
Afghan, Pakistan sp. suggested Schizothoracichthys -  
proposed by Mirza (49) - not cited.

→ in 1972. Freshwater fishes of Baluchistan Province,  
Pakistan. Biologia 18 (2): 153-190.

Mirza; M.R. & K. Hameed, 1975. A checklist  
of the Schizothoracinae (Pisces, Cyprinidae) of  
Pakistan. Pakistan J. Zool. 7 (1): 75-81.

- S. intermedius Hora (1935) sp. restricted to Indus  
R. - Helmand dif. sp. ?

S. plagiostomus Hechel - Helmand, Indus  
Fowler's S. schumackeri prob. = S. plagiostomus -

Schizopygopsis USNM-165047 Helmand, Sistan  
doesn't match S. stoliczkae -

Almond - 2 specimen Acanthodes

G. arabica - Yemen - USNM - prob. G. tibetica

see Dowler - Steinitz -

papers by Mirza - 22 - 24

Port Krosswig -

Brian Cozd

- Barbus luteus - Gulf drainages - Lar -

⊖ anti. scale have radii

- Gulf Cyprinias (watsoni) - back radii

- some w/ 2 pri. barbels

6 br. anal. (?) -

- C. nemus - may be of B. canis-luteus

\*25 -> C. acinaces 2 G. tibsonice

2 "Barbus luteus" (= C. nemus) + 2 Acanthobrama ?  
very small specimens

small speci.

- high anal rays

- strong, high spine

anal keel un serrated

anal  
keel

d.l. ca. 35

A 3, 15-16

terminal jaws

D un serrated spine, 6-7

radii ca. 20

no barbel.

Kuwait

Dr. Kenneth Relyea  
Dept. of Biology  
Jacksonville Univ.  
Jax., Fla.

- Garra arabica USNM

- ~~Send Dick Bolder T-shirt~~

Twitchell, K. S. 1966. Water  
resources of Saudi Arabia.

Geog. Res; 36; 365-386

Vidal, F. S. 1955. The oasis  
of Al-Hesa. Arabian Am.  
Oil Co, Local Govt. Relations.  
Arabian Res. Div. 216 p.

- Brian when visiting USNM -  
 USNM 143852 "C. mossulensis"  
 Turkey. "high scale count, short head,  
 elongated body".  
 USNM 48008 "Alburnus iblis"  
 "Pergii R., Kurdistan" (Tigris? ?)  
 '26 gillrakers, very elongated body, small head'  
 USNM 143855 "Alburnus heckeli"  
 Battalgil, sent by Kosewig (Tigris,  
 Turkey) (Armantrout says in Iran near  
 Iraq border but no specimens seen)  
 26-37 gillrakers - appears same as "A. iblis"

These apparently represent the  
 slim, elongated Chalcaburnus-like  
 specimens I saw in Hamburg fm.  
 Tigris in Turkey. - what is description  
 of heckeli? ?

USNM 143865 Chondrostoma Turkey  
 32-38 rakers.

USNM 205905 - Discognathys 520622  
 drainage w/ caudal crest.

USNM 11706 Garrz persicz (type?)  
11707 Khizbad in Zirkub

USNM 166888 Garrz arabicz  
Yemen (coll. 1951) - is this G. tibonica?