

Jim Hildebrand - Salmonids in Col. Intro  
letnica Hucks marmoratus S.  
i schau Oncorhynchus Inter

Nick Klein

Native Trout

N. Fork Piney → Colo.

(Walt Woodward - near Radium - WCO)  
in area

above Dotsero - from Gore Range side.

+ E. Lake Creek.

- Little Snake R. → Yampa.

SOME OF C. latipinnis LL scale counts  
COME OUT APPROX 85 - OTHERS AROUND 100-110

Bill M.

NOTE ↑

~~2-04-13~~

Harry Rider  
Info. & Publ. Ser.  
- Anytime Tue. afternoon  
Col. Wildf. show

shed.

- seminar

Sign Ki

- corresp.
- student admin
- fringe paper
- ms.
- exam. spec.

-> Bodensee

- print.

- salvum note - font spec

Burns, J. W. 1972.

The distribution and life history of South American freshwater crabs (Aegla), and their role in trout streams and lakes. T. A. F. S. 101(4):595-607.

- \* following paper on white perch feeding on crayfish - suggest crayfish stocked in lakes w/ them to lessen perch-salmonid competition for smelts.

V.G. WespeSTAD - HAVE OUT

The INTERNATIONAL ATL SALMON FOUNDATION  
Vol 1 #1 Nov 70

SMOLT REARING TECHNIQUES (ABSTRACT)

Genetic Selection of Steelhead

Genetics AS Tool for Mgt. ATL.SAL.

F.A.O. <sup>formally  
fish culture</sup> Aquaculture Bull 1971 3(3):14

Fish introd. in Czechoslovakia

- S. gairdneri, S. fontinalis, Fleturus nebulosus,

large mouth; smallmouth bass, pumpkinseed (gibbosus) - submitted by

- S. alpinus not successful -

J. Havelka

- C. lavaretus maraena from N. Germany Fish. Res. Inst.

Hastalska 20,

Praha 1, Czech.

C. albus - N. Europe

C. migratorius + C. liwertmanni (fm. Austria)

Hessel - 1874  
\* szid  
\* good hot  
\* omul

\* Thymallus arcticus balticus - black grayling in 1959

- rainbow trout in Albania (fm. Yugoslavia)

- Sweden introduces grass carp

- 1970, 2(2):10 Argentina <sup>freshwater</sup> Argentinidae Basilichthys bonariensis - propagated sent to Japan stocked into  
A. Tsukui. also into Paraguay.

\* O. nerka stocked in mountain streams in Madras St., India  
(fm. Japan)

- 1969 2(1):15 Hucho hucho → Spain, Terres R.

1968- 1(3):12 - St. John's R. salmon hatchery - largest in world  
to do selective breeding -

- outline what to be done -

Jim Hicks 495 ex 2 units to go w/ 3 units JT330  
paper on introductions of forage -  
- Weekly meetings - beginning Spring Meet. - Mar. 26

Albenis  
N.S. - Vermont - N.Y.  
- Hackley - Conn.

Smelts  
large - small  
Quebbin

- Craw fish - Klein  
- Dean  
- Fish. Bull.

- Jack Sanford:

- Alabama Coop. Fish. Unit Ann. Rept. for 1968.  
(Auburn Univ.): Biology of the lower Apalachicola  
race of redeye bass Micropterus coosae in  
eastern Alabama, M.S. thesis by Harold Hurst;  
- records record size of 6 lb. - 90% of adults diet  
consists of crawfish, Procambarus spiculifer,

- Walleyes : review V.F. 8(2) : 321  
5 sp. - .

Pravdin : 326 : - musculus absent in European water  
<sup>not 571</sup>  
-- 326 : Pokrovskiy - Salmonidae have "proaxis" &  
rudimentary vert. fused to skull (x vert. <sup>gorbusha</sup> ~~or~~ ~~hacks~~)

Stan Watzman

- send reports -  
- V.F. rudimentary vert. - . 1 am

hypethroid - super ~~or~~ - sub.  
- ~~ss~~

- bonon Williams to Brudine spec.

- Kendall's coll.

- what wrong
- essentially relative few loci -- must am non-selected - newey + prw. not so only at site
- but w/o prim - demand n - can not work phylogen - tax. confusion - , no valid basis.

Dea Mann - some delay

- agree + disagree with - as in revised monog.
- all classified as S. gairdneri - yes
- 7 groups of subspecies. - where electrophoretic in agree - disagree w/ other evidence - what do about it ...

Fig. 2 Wegner network + probable phylogenetic diagram

- Andu zero birth - when 250,000 yrs - useless so not a
- Polish Hatcher - few gen tax. phylogen - r ->
- 2 40,000 years

J+E 201 first revision

- 1 - first subspecific group - S. g. g. coastal RB (no = indicus)
- 2 - second S. g. newberryi (upper Cal. - Fresno) redband + Goose L. -  
= S. g. g.
- 3 S. g. McCloud (sp. - when must be loc.) - but upper McCloud (Sheephouse, no way confused w/ "redband" - priority of use of name red band upper McCloud Liston 1872,
- 4 S. g. SFK upper So. Fk, Kern excluding Mulky Ck.  
= So Fk. golden = S. g. aguebonitz  
\* + 2 subpop. in Golden Trout Ck.
- 5 S. g. aguebonitz - Mulky Ck., Golden Trout Ck., Cottonwood Lis.
- 6 S. g. gilberti - main Kern
- 7 S. g. whitei - Little Kern
- \* Mountsinor Ck. = typical RB (few <sup>last year</sup> = S. g. gilberti) - must be from stocking (couldn't be from stragglers).



- about 5000 writes (endosymbiont)

Gold Cell - Smith Hill nr.

\* S. g. 57k is a natural composite of ancestral forms of gilberti & guakomib. Descendants of this original mixing are now a stabilized subspecies native to S. Kern drainage - B.S. 6 - mutual little - local adaptation - dif. allele freq. - common occurrence

- guakomib - Mulkey Crk. - originated from Golden Trout Crk. before Tunnel ?

- Mulkey barren - stocked by m... ? - evidence ? - former

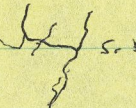
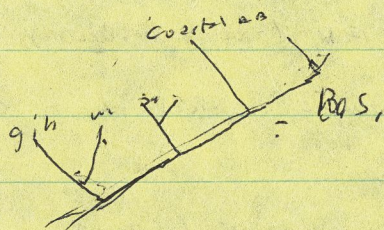
G.T.C.R.  - can trout get thru tunnel -

Fig. 2 - evol. events - phylogeny NO!!

\* E. 7k. Nelson Crk - new spec (very dist. et - spot or hemibred)



PAAP '90

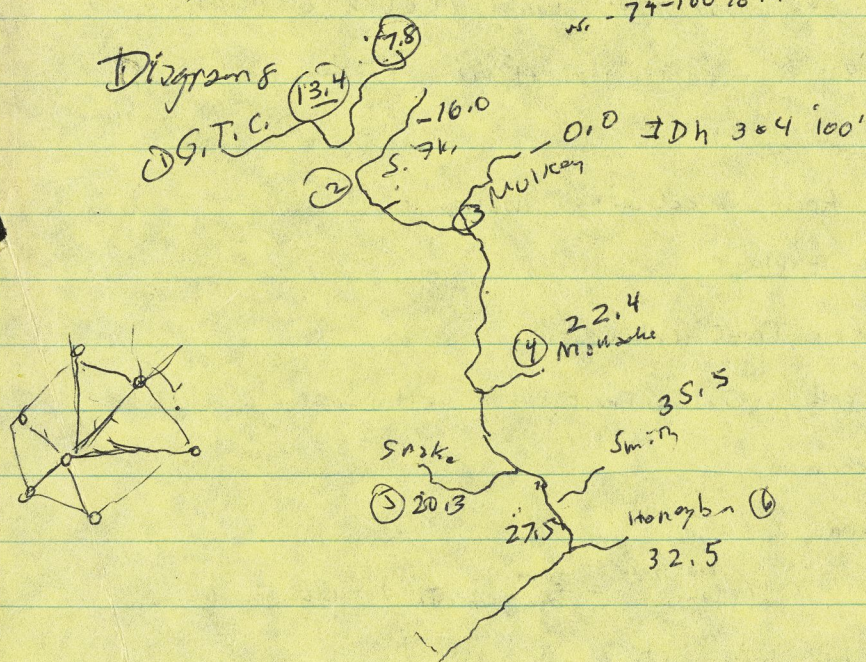
	PA	100'	500'	6 L-3
GTC	84/72	92/59	70%*	16/35*
2 57 - 79		43	11	7
3 Mulkey - 85		92	45*	0
4 Monache - 71		40	5.3	0
5 Snake - 85		50	3.3	0
6 Honeybee 59		35	2.5	0

0 in whitei

A - Not sufficient data presented for adm. nr. spec. <sup>in sampling data.</sup>

Diagrams

G.T.C.



- Crawfish for forage (8 sp. in Maine)
- Alewives in Rungely lakes for salmon forage

- Maine Fish & Game, Summer 1971: 5

.                      crawfish: ibid: 8