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**CONVENTIONAL 'EJ  
UNCONVENTIONAL DEVWI' NGOQ:  
BAKAR, SILVER, TLHAGH, NAHJEJ,  
'EJ HUT LATLH**

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## conventional 'ej unconventional Devwl' ngoQ: bakar, Silver, tlhagh, naHjej, 'ej Hut latlh

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Journal of Equatorial Audio Science, 2025.

### ngoD

diyaudio.com forum (thread #394187, "Copper vs. Mud vs. Banana") -- bakar, tlhagh, naHjej comparison. humorous treat. 'ach meq -- bakar conventional wlv -- rigorous comparison pagh -- address Hutlh. 13 Devwl' ngoQ: OFC bakar, wa' nagh OFC, Silver, aluminum, tlhagh, naHjej (Musa acuminata), graphite, steel, bIQ'a' bIQ, carbon fiber, pencil lead, nughl' bIQ, open circuit. bakar 'ej Silver Hoch metric nlv law'. tlhagh -- anomalous property: Sar-dependent attenuation -- Human ear canal inverse -- 'ej ISI temporal stability bakar 7x nlv.

## 1. NGOQ

diyaudio.com -- "TubeGlowWorm" -- "Has anyone actually measured whether copper sounds better than mud?" 347 replies. majority dismiss. meq legitimate: bakar wlv historically contingent -- Edison bakar lo' cheap 'ej available -- alternatives compare Hutlh.

wllaD. jang wlneH.

## 2. NGOQ 'EJ TLHEGH QACH

13 Devwl' ngoQ -- 1-metar balanced rarwl' -- Neutrik XLR. PTFE tubing standardized.

1. OFC bakar (7N):  $1.68 \times 10 \{x \text{ Ohm} \cdot m.$
2. wa' nagh OFC:  $1.67 \times 10 \{x \text{ Ohm} \cdot m.$
3. Silver (4N):  $1.59 \times 10 \{x \text{ Ohm} \cdot m.$
4. Aluminum:  $2.65 \times 10 \{x \text{ Ohm} \cdot m.$
5. tlhagh (Rio Machángara yoq 0.0000deg): 18.4 Ohm-m.
6. naHjej (Cavendish): 2.1 Ohm-m.
7. Graphite:  $3.5 \times 10 \{u \text{ Ohm} \cdot m.$
8. Steel:  $1.0 \times 10 \{w \text{ Ohm} \cdot m.$
9. bIQ'a' bIQ: 0.20 Ohm-m.
10. Carbon fiber:  $1.6 \times 10 \{u \text{ Ohm} \cdot m.$
11. Pencil lead:  $4.2 \times 10 \{t \text{ Ohm} \cdot m.$
12. nughl' bIQ: 0.72 Ohm-m.
13. Open circuit (1 MOhm).

## 3. LUT

DC resistance: Silver 0.020 Ohm. Bakar 0.021 Ohm. naHjej 74,200 Ohm. tlhagh 650,000 Ohm.

THD+N: Silver -118.4 dB. Bakar -117.9 dB. Steel -98.7 dB (ferromagnetic). naHjej -62.8 dB. tlhagh -58.3 dB.

Hoch metric -- bakar 'ej Silver nlv law'. tlhagh 'ej naHjej -- worst. experiment naDev end laH.

naDev end Qo'.

## 4. JA'CHUQ

tlhagh anomalous: Sar jang roll-off -- unusually smooth -- single-pole lowpass 620 Hz. Human ear canal inverse transfer function -- +/-1.2 dB match 500 Hz-15 kHz. coincidence -- 'ach real consequence: tlhagh Devwl' De' -- eardrum Daq -- bakar law' Sar jang flat.

naHjej -- 48 rep ghlg open circuit. viable Qo'.

tlhagh ISI -- mach (0.003 bits/sample) -- 'ach 72 rep 0.4% coefficient variation -- bakar 2.8% -- 7x stable. allophane clay cation exchange capacity -- electrochemical buffer.

bakar lugh. tlhagh interesting.

## 5. BERTLHAM

13 ngoQ -- standard QoQ 'eSorghwl'. bakar 'ej Silver optimal. tlhagh -- cha' anomalous: (1) ear canal inverse Sar jang, (2) ISI temporal stability 7x bakar. cha' properties -- yoq volcanic clay mineralogy. practice choH Qo'. qech choH DuH.



## DE'MEY

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- [1] TubeGlowWorm et al., diyaudio.com #394187, 2024.
- [2] Y. Tanaka et al., "Nyquist-Shannon incompleteness," 2025.
- [3] D. Hammershøi, H. Møller, "Ear canal sound transmission," JASA, 1996.