ꯑꯦꯗꯤꯇꯣꯔꯤꯌꯦꯜ IMPHAL, WEDNESDAY, OCTOBER 06, 2021 ꯌꯨꯝꯁꯀꯩꯁ, ꯂꯥꯡꯕꯟꯒꯤ ꯊꯥꯁꯨ, ꯃꯥꯂꯤꯌꯥ ꯀꯨꯝꯁꯤꯡ 3419 obT\ꯂꯩ ꯃꯀꯩꯋ꯭ꯀ 2 HUEIYEN LANPAO

ꯄꯥꯎꯆꯦ ꯑꯁꯤꯗ ꯐꯣꯡꯖꯔꯤꯕ ꯋꯥꯔꯦꯡꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜ, ꯃꯤꯠꯌꯦꯡ ꯑꯏꯕ ꯃꯁꯥ ꯃꯁꯥꯒꯤꯅꯤ꯫ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯋꯥꯈꯜꯂꯣꯟ ꯑꯃꯁꯨꯡ ꯃꯤꯠꯌꯦꯡꯒ ꯊꯣꯏꯗꯣꯛꯅ ꯃꯔꯤ ꯂꯩꯅꯗꯦ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ
ꯌꯨꯝꯁꯀꯩꯁ, ꯑꯣꯛꯇꯣꯕꯔ 06, 2021, ꯏꯝꯐꯥꯜ
13 ꯁꯨꯕ ꯆꯍꯤ, 170 ꯁꯨꯕ ꯃꯁꯤꯡ
ꯇꯦꯁꯇꯤꯡ ꯑꯃꯁꯨꯡ ꯚꯦꯛꯁꯤꯅꯦꯁꯟ
ꯂꯜꯂꯣꯟꯄꯣꯠ ꯑꯣꯟꯊꯣꯔꯛꯄ ꯆꯨꯝꯂꯣꯏ
ꯄꯨꯟꯁꯤꯗ ꯇꯥꯠ ꯃꯆꯥ-ꯃꯆꯥꯒꯤ ꯆꯟꯅꯐꯝ ꯍꯥꯏꯕ ꯊꯧꯗꯣꯛꯁꯤ ꯑꯩꯈꯣꯏ ꯁ꯭ꯋꯥꯏꯗ
ꯑꯗꯨꯝꯃꯛ ꯊꯣꯛꯂꯤ꯫ ꯉꯁꯤ-ꯉꯔꯥꯡ ꯈꯛꯇꯗꯒꯤ ꯊꯣꯔꯛꯄ ꯅꯠꯇꯦ꯫ ꯆꯍꯤ
ꯀꯌꯥꯒꯤ ꯃꯃꯥꯡꯗꯒꯤ ꯊꯣꯔꯛꯂꯕꯅꯤ꯫ ꯑꯗꯨꯅꯕꯨ ꯋꯥꯍꯩ ꯄꯔꯦꯡꯁꯤ ꯄꯤꯛꯂꯕꯁꯨ
ꯃꯅꯤꯄꯨꯔꯒꯤ ꯁꯛꯅꯥꯏꯔꯕ ꯗ꯭ꯔꯥꯃꯥꯇꯤꯁꯠ ꯑꯃ ꯑꯣꯏꯈꯤꯕ ꯒꯤꯠꯆꯟꯗ꯭ꯔ
ꯇꯣꯡꯕ꯭ꯔꯝ (ꯖꯤ ꯁꯤ ꯇꯣꯡꯕ꯭ꯔꯥ) ꯅ ꯌꯥꯝꯅ ꯊꯋꯥꯏ ꯌꯥꯎꯅ ꯍꯥꯏꯔꯝꯕꯅꯤ꯫
ꯂꯥꯏꯑꯣꯏꯈ꯭ꯔꯕ ꯄꯔꯁꯅꯦꯂꯤꯇꯤ ꯑꯁꯤ ꯈꯨꯟꯅꯥꯏꯒꯤ ꯑꯆꯨꯝꯕ, ꯑꯁꯦꯡꯕ
ꯑꯃꯁꯨꯡ ꯑꯁꯣꯏꯕꯁꯤꯡ ꯐꯥꯒꯤꯒꯤ ꯄꯥꯝꯕꯩꯅ ꯄꯨꯊꯣꯛꯇꯨꯅ ꯅꯣꯛꯍꯟꯕ ꯑꯗꯨꯒ
ꯅꯣꯛꯂꯨꯕꯒꯤ ꯍꯟꯖꯤꯜꯂꯛꯄꯗ, ꯊꯋꯥꯏ ꯇꯥꯅ ꯅꯣꯛꯂꯨꯕꯒꯤ ꯃꯔꯝꯁꯤꯡ ꯈꯪꯍꯜꯂꯒ
ꯄꯥꯔꯥ ꯑꯃ ꯑꯣꯏꯍꯟꯅꯕ ꯍꯣꯠꯅꯈꯤꯕ ꯃꯤꯁꯛꯅꯤ꯫ ꯇꯣꯞ-ꯇꯣꯞꯄ ꯃꯍꯥꯛꯀꯤ
ꯃꯇꯤꯛ-ꯃꯌꯥꯏ ꯑꯁꯤꯒꯤꯗꯃꯛ ꯉꯁꯤꯒꯤ ꯃꯤꯔꯣꯜꯅ ꯖꯤ ꯁꯤ ꯇꯣꯡꯕ꯭ꯔꯥꯒꯤ
ꯃꯃꯤꯡ ꯆꯤꯟꯗꯣꯟ ꯂꯩꯇꯣꯟꯗ ꯄꯛꯅꯔꯤꯕꯅꯤ꯫ ꯑꯗꯨꯕꯨ ꯅꯣꯕꯦꯜ ꯀꯣꯔꯣꯅꯥꯚꯥꯏꯔꯁ
(ꯀꯣꯚꯤꯗ-19) ꯒꯤ ꯆꯩꯊꯦꯡ ꯃꯥꯡꯗ꯭ꯔꯤꯕ, ꯃꯁꯤꯒꯤ ꯃꯩꯁꯥ ꯀꯣꯛꯇ꯭ꯔꯤꯉꯩꯁꯤꯗ
ꯇꯝꯊꯤꯔꯕ ꯂꯥꯏꯅꯥ ꯑꯁꯤꯒꯤ ꯉꯥꯛꯊꯣꯛꯅꯕꯒꯤ ꯑꯃꯠꯇ ꯉꯥꯏꯔꯕ ꯄꯥꯝꯕꯩ
ꯑꯣꯏꯔꯤꯕ ꯇꯦꯁꯠ ꯇꯧꯊꯣꯛꯂꯒ ꯀꯣꯚꯤꯗ ꯚꯦꯛꯁꯤꯟꯒꯤ ꯑꯍꯥꯟꯕ ꯑꯃꯁꯨꯡ
ꯑꯅꯤꯁꯨꯕ ꯗꯣꯖꯒꯤ ꯍꯤꯗꯥꯛꯁꯤꯡ ꯀꯥꯞꯊꯣꯛꯄꯒꯤ ꯊꯕꯛꯁꯤꯡꯗ ꯃꯊꯣꯡ-
ꯃꯔꯝ ꯈꯪꯗ꯭ꯔꯕ, ꯃꯁꯥꯅ ꯃꯁꯥꯕꯨ ꯂꯨꯆꯤꯡꯕꯅꯤ, ꯁꯣꯁꯜ ꯋꯥꯔꯀꯔꯅꯤ ꯍꯥꯏꯖꯕ
ꯃꯤꯑꯣꯏ ꯈꯨꯖꯣꯛ ꯈꯔꯅ ꯂꯜꯂꯣꯟꯄꯣꯠ ꯀꯨꯝ ꯑꯣꯟꯊꯣꯔꯛꯇꯨꯅ ꯑꯔꯦꯝ-ꯑꯄꯥ
ꯈꯔ ꯐꯪꯍꯧꯅꯕꯒꯤ ꯊꯧꯑꯣꯡ ꯆꯠꯊꯔꯛꯄꯁꯤ ꯑꯆꯨꯝꯕ ꯈꯣꯡꯊꯥꯡ ꯑꯣꯏꯔꯣꯏ꯫
ꯍꯥꯏꯔꯤꯕ ꯊꯧꯗꯣꯛꯁꯤꯡꯁꯤ ꯍꯧꯖꯤꯛ ꯏꯂꯦꯛꯁꯟ ꯄꯥꯡꯊꯣꯛꯀꯗꯕ ꯃꯇꯝ
ꯍꯦꯟꯅ ꯅꯛꯁꯤꯜꯂꯛꯄꯒ ꯂꯣꯏꯅꯅ ꯈꯪꯍꯦꯟ ꯍꯦꯟꯒꯠꯂꯛꯄꯗꯧꯅ ꯇꯧꯔꯛꯏ꯫
ꯊꯧꯑꯣꯡꯁꯤ ꯗꯤꯁꯇ꯭ꯔꯤꯛꯠ ꯑꯦꯗꯃꯤꯅꯤꯁꯇ꯭ꯔꯦꯁꯟ ꯅꯠꯇ꯭ꯔꯒ ꯍꯦꯜꯊ
ꯗꯤꯄꯥꯔꯠꯃꯦꯟꯠꯅ ꯍꯛꯊꯦꯡꯅꯅ ꯁꯤꯟꯗꯨꯅ ꯄꯥꯡꯊꯣꯛꯄ ꯇꯦꯁꯇꯤꯡ ꯑꯃꯁꯨꯡ
ꯚꯦꯛꯁꯤꯅꯦꯁꯟꯒꯤ ꯗ꯭ꯔꯥꯏꯚ, ꯄ꯭ꯔꯣꯒ꯭ꯔꯥꯝ ꯅꯠꯇ꯭ꯔꯒ ꯀꯦꯝꯄ꯭ꯌꯦꯟꯁꯤꯡꯗꯗꯤ
ꯊꯣꯛꯇꯦ꯫ ꯑꯗꯨꯕꯨ ꯄꯥꯡꯊꯣꯛꯂꯒꯗꯕ ꯃꯤꯈꯜꯁꯤꯗ ꯃꯤꯔꯦꯞ ꯑꯣꯏꯒꯗꯧꯔꯤꯕ
ꯑꯦꯝ ꯑꯦꯜ ꯑꯦ ꯈꯔ ꯑꯃꯁꯨꯡ ꯑꯅꯧꯕ ꯆꯣꯡꯊꯣꯔꯛꯄ ꯃꯤꯑꯣꯏ ꯈꯔꯒꯤ
ꯃꯥꯏꯀꯩꯗꯒꯤꯗꯤ ꯊꯣꯛꯍꯟꯕ ꯍꯧꯔꯛꯄꯅꯤ꯫ ꯑꯁꯤꯒꯨꯝꯕ ꯃꯈꯜꯒꯤ ꯊꯧꯔꯝ
ꯁꯤꯜꯂꯤꯕ ꯃꯤꯑꯣꯏ ꯈꯔꯁꯤꯒꯤ ꯄꯥꯟꯗꯝꯗꯤ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤ ꯃꯅꯨꯡꯗ ꯆꯟꯅ
ꯌꯥꯔꯤꯕꯃꯈꯩ ꯃꯤ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯀꯣꯚꯤꯗ ꯇꯦꯁꯇꯤꯡ ꯇꯧꯍꯧꯕ ꯑꯃꯁꯨꯡ ꯍꯤꯗꯥꯛ
ꯀꯞꯊꯣꯛꯍꯧꯕ ꯅꯠꯇꯦ꯫ ꯃꯈꯣꯏꯅ ꯃꯃꯤꯠꯇ ꯎꯔꯤꯕꯁꯤ ꯊꯧꯔꯝ ꯑꯗꯨꯒꯤꯗꯃꯛ
ꯋꯥꯏꯔꯨꯕ ꯁꯃꯤꯌꯥꯅ, ꯀꯔꯅꯥꯠ, ꯃꯥꯟꯗꯝ ꯈꯟꯕ, ꯇꯦꯕꯜ-ꯆꯧꯀ꯭ꯔꯤ ꯋꯥꯏꯔꯨꯕꯒꯤ,
ꯏꯁꯤꯡ-ꯃꯥꯏꯁꯤꯡ ꯌꯥꯎꯅ ꯔꯤꯐ꯭ꯔꯦꯁꯃꯦꯟꯠꯒꯤꯗꯃꯛ ꯑꯦꯝ ꯑꯦꯜ ꯑꯦ ꯅꯠꯇ꯭ꯔꯒ
ꯏꯟꯇꯦꯟꯗꯤꯡ ꯀꯦꯟꯗꯤꯗꯦꯠꯅ ꯄꯤꯔꯛꯄ ꯁꯦꯟꯐꯝꯗꯨꯗꯒꯤ ꯂꯦꯝꯍꯧꯅꯕ
ꯍꯣꯠꯅꯕ ꯑꯃꯁꯨꯡ ꯃꯗꯨꯒꯤ ꯃꯆꯨꯝ ꯆꯥꯕꯅꯤ꯫ ꯊꯧꯑꯣꯡꯁꯤ ꯍꯧꯖꯤꯛ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤ
ꯁꯦꯒꯃꯦꯟꯠ ꯈꯔꯗ ꯆꯠꯊꯔꯛꯂꯦ꯫ ꯃꯁꯤꯗꯤ ꯄ꯭ꯔꯣꯒ꯭ꯔꯥꯝ ꯑꯗꯨꯒꯤ ꯇꯥꯔꯒꯦꯠ
ꯑꯣꯔꯤꯌꯦꯟꯇꯦꯁꯟꯅꯆꯤꯡꯕꯒꯤ ꯋꯥꯈꯜ ꯄꯨꯝꯅꯃꯛ ꯇꯨꯡꯑꯣꯏꯅꯔꯒ ꯁꯦꯟꯐꯝ
ꯈꯔꯗꯪꯕꯨ ꯁꯦꯟꯗꯣꯡ ꯑꯣꯏꯅ ꯐꯪꯅꯕꯒꯤ ꯄꯥꯟꯗꯝꯗ ꯆꯠꯊꯔꯛꯄꯅꯤ꯫
ꯊꯧꯑꯣꯡꯁꯤ ꯆꯨꯝꯗꯕ ꯊꯧꯔꯝꯅꯤ꯫ ꯃꯔꯝꯗꯤ ꯅꯨꯡꯇꯤꯒꯤ ꯂꯦꯞꯇꯅ ꯑꯅꯧꯕ
ꯄꯣꯖꯤꯇꯤꯚ ꯀꯦꯁꯁꯤꯡ ꯊꯦꯡꯅꯔꯛꯄꯗꯒꯤ ꯑꯣꯛꯇꯣꯕꯔ 2, 2021 ꯐꯥꯎꯕꯗ
ꯁ꯭ꯇꯦꯠꯁꯤꯗ ꯊꯦꯡꯅꯕ ꯄꯣꯖꯤꯇꯤꯚ ꯀꯦꯁ ꯃꯁꯤꯡ 1,20,879 ꯁꯨꯈ꯭ꯔꯕꯅꯤ꯫
ꯑꯗꯨꯒ ꯂꯥꯏꯅꯥ ꯑꯁꯤꯗꯒꯤ ꯐꯒꯠꯂꯛꯇꯨꯅ ꯗꯤꯁꯆꯥꯔꯖ ꯇꯧꯈ꯭ꯔꯒ ꯃꯤꯑꯣꯏꯁꯤꯡꯒꯤ
ꯃꯁꯤꯡꯅ 1,16,803 ꯁꯨꯈ꯭ꯔꯦ꯫ ꯑꯗꯨꯕꯨ ꯅꯨꯃꯤꯠꯇꯨ ꯐꯥꯎꯕꯗ ꯑꯦꯛꯇꯤꯚ ꯀꯦꯁ
ꯃꯁꯤꯡ 2,216 ꯂꯩꯈꯤ꯫ ꯑꯗꯨꯒ ꯑꯣꯛꯇꯣꯕꯔ 1, 2021 ꯐꯥꯎꯕꯗ ꯀꯣꯚꯤꯗ ꯚꯦꯛꯁꯤꯟ
ꯀꯥꯞꯊꯣꯛꯈ꯭ꯔꯕ ꯑꯄꯨꯟꯕ ꯃꯤꯑꯣꯏꯁꯤꯡꯒꯤ ꯃꯁꯤꯡꯅ 17,13,895ꯅꯤ꯫
ꯃꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯐꯔꯁꯠ ꯗꯣꯖ ꯀꯥꯞꯊꯣꯛꯈꯤꯕ ꯅꯨꯃꯤꯠꯁꯤ ꯐꯥꯎꯕꯗ ꯃꯤꯑꯣꯏ
12,24,668 ꯁꯨꯈ꯭ꯔꯕꯁꯨ ꯁꯦꯀꯦꯟꯗ ꯗꯣꯖ ꯀꯥꯞꯊꯣꯛꯄ ꯃꯤꯑꯣꯏꯁꯤꯡꯒꯤ
ꯃꯁꯤꯡꯗꯤ ꯁꯨꯞꯅꯇꯒꯤ ꯃꯤꯑꯣꯏ 4,89,227 ꯈꯛꯇꯃꯛ ꯉꯥꯏꯈ꯭ꯔꯤꯕꯅꯤ꯫
ꯂꯦꯞꯅ ꯆꯠꯊꯔꯛꯈꯤꯕ ꯇꯦꯁꯇꯤꯡ ꯑꯃꯁꯨꯡ ꯚꯦꯛꯁꯤꯅꯦꯁꯟꯒꯤ ꯊꯕꯛꯇꯒꯤ
ꯂꯩꯈ꯭ꯔꯤꯕ ꯑꯦꯆꯤꯚꯃꯦꯟꯠ ꯑꯁꯤ ꯌꯧꯕ ꯉꯝꯈ꯭ꯔꯕꯁꯨ ꯄꯨꯛꯅꯤꯡ ꯂꯨꯝꯗ꯭ꯔꯤꯕꯅꯤ꯫
ꯃꯔꯝꯗꯤ ꯂꯥꯏꯅꯥꯁꯤ ꯄꯣꯖꯤꯇꯤꯚ ꯑꯣꯏꯔꯛꯄꯗꯒꯤ ꯀꯣ-ꯃꯣꯔꯕꯤꯗꯤꯇꯤꯖ
ꯊꯣꯛꯍꯟꯗꯨꯅ ꯃꯤ ꯁꯤꯍꯟꯕꯒꯤ ꯊꯧꯗꯣꯛ ꯅꯣꯡꯃ ꯐꯥꯗꯣꯛ ꯌꯥꯎꯗ꯭ꯔꯕꯁꯨ ꯑꯌꯥꯝꯕ
ꯃꯇꯝꯗ ꯊꯣꯛꯍꯜꯂꯤꯕꯅꯤ꯫ ꯑꯗꯨꯒ ꯍꯤꯗꯥꯛ ꯑꯃꯨꯛꯂꯛ ꯅꯠꯇ꯭ꯔꯒ ꯑꯅꯤꯔꯛ
ꯀꯥꯞꯊꯣꯛꯂꯕꯁꯨ ꯄꯣꯖꯤꯇꯤꯚ ꯑꯣꯏꯍꯟꯕꯒꯤ ꯊꯧꯗꯣꯛꯁꯤꯡ ꯊꯣꯛꯍꯜꯂꯛꯄꯅ
ꯇꯦꯁꯠ ꯇꯧꯕꯒꯤ ꯊꯕꯛꯁꯤꯁꯨ ꯌꯥꯝꯅ ꯇꯣꯏꯅ, ꯉꯥꯏꯍꯥꯛ ꯂꯩꯇꯅ ꯇꯧꯕꯒꯤ
ꯃꯊꯧ ꯇꯥꯔꯤꯕꯅꯤ꯫ ꯍꯤꯗꯥꯛ ꯑꯅꯤꯔꯛ ꯀꯥꯞꯊꯣꯛꯂꯕ ꯃꯇꯨꯡꯗ ꯄꯣꯖꯤꯇꯤꯚ
ꯑꯣꯏꯔꯛꯂꯦ ꯍꯥꯏꯗꯨꯅ ꯑꯍꯨꯝꯂꯛ ꯁꯨꯕ ꯗꯣꯖꯒꯤ ꯍꯤꯗꯥꯛ ꯀꯥꯞꯊꯣꯛꯅꯕꯒꯤ
ꯄ꯭ꯔꯣꯚꯤꯖꯟ ꯍꯧꯖꯤꯛ ꯐꯥꯎꯕꯒꯤ ꯑꯣꯏꯅ ꯂꯩꯇ꯭ꯔꯤꯕ ꯑꯣꯏꯔꯒꯁꯨ ꯂꯧꯈꯠꯄ ꯌꯥꯕ
ꯆꯦꯛꯁꯤꯟ ꯊꯧꯔꯥꯡꯁꯤꯡꯗꯤ ꯂꯧꯈꯠꯍꯧꯒꯗꯧꯔꯤꯅꯤ꯫

ꯑꯗꯨꯕꯨ ꯑꯁꯤꯒꯨꯝꯕ ꯇꯦꯁꯇꯤꯡ ꯑꯃꯁꯨꯡ ꯚꯦꯛꯁꯤꯅꯦꯁꯟꯒꯤ ꯊꯕꯛꯇ ꯃꯁꯥꯒꯤ
ꯑꯣꯏꯖꯕ ꯊꯤꯕ ꯃꯤꯑꯣꯏ ꯈꯔꯅ ꯃꯁꯥꯒꯤ ꯀꯥꯟꯅꯕ ꯊꯤꯗꯨꯅ ꯊꯕꯛꯁꯤꯡ ꯑꯁꯤꯕꯨ
ꯂꯜꯂꯣꯟꯄꯣꯠ ꯑꯣꯏꯅ ꯆꯠꯊꯅꯔꯛꯄ ꯑꯃꯁꯨꯡ ꯁꯤꯖꯤꯟꯅꯔꯛꯄ ꯆꯨꯝꯂꯣꯏ꯫
ꯃꯔꯝ ꯑꯗꯨꯅ ꯍꯥꯏꯔꯤꯕ ꯊꯕꯛꯁꯤꯡ ꯑꯁꯤꯒꯤꯗꯃꯛ ꯑꯦꯝ ꯑꯦꯜ ꯑꯦ ꯅꯠꯇ꯭ꯔꯒ
ꯏꯟꯇꯦꯟꯗꯤꯡ ꯀꯦꯟꯗꯤꯗꯦꯠꯁꯤꯡꯅ ꯑꯆꯪꯕ ꯁꯦꯜ ꯄꯨꯊꯣꯛꯂꯕꯁꯨ ꯇꯦꯁꯇꯤꯡ
ꯑꯃꯁꯨꯡ ꯚꯦꯛꯁꯤꯅꯦꯁꯟꯒꯤ ꯊꯕꯛꯁꯤꯡ ꯑꯁꯤꯗꯤ ꯍꯦꯜꯊ ꯋꯥꯔꯀꯔꯁꯤꯡꯒ
ꯍꯛꯊꯦꯡꯅꯅ ꯃꯔꯤ ꯂꯩꯅꯕ ꯊꯕꯛꯅꯤꯅ ꯗꯤꯁꯇ꯭ꯔꯤꯛꯠ ꯑꯦꯗꯃꯤꯅꯤꯁꯇ꯭ꯔꯦꯁꯟ
ꯑꯃꯁꯨꯡ ꯍꯦꯜꯊ ꯂꯣꯏꯁꯪꯅ ꯃꯤꯠꯌꯦꯡ ꯆꯪꯍꯧꯕ ꯆꯨꯝꯒꯅꯤ꯫ ꯃꯁꯤ ꯅꯠꯇ꯭ꯔꯕꯗꯤ ꯃꯔꯨ
ꯑꯣꯏꯈ꯭ꯔꯕ ꯊꯕꯛꯁꯤꯡꯁꯤ ꯃꯤꯑꯣꯏ ꯈꯔꯅ ꯃꯔꯟꯅꯥꯏꯒꯤ ꯁꯦꯟꯗꯥꯜ ꯂꯝꯕꯤꯗꯧꯅ
ꯁꯤꯖꯤꯟꯅꯍꯜꯂꯛꯄ ꯑꯆꯨꯝꯕ ꯊꯧꯑꯣꯡ ꯑꯣꯏꯔꯣꯏ ꯍꯥꯏꯅꯤꯡꯏ꯫

ꯍꯨꯏꯌꯦꯟ ꯂꯥꯟꯄꯥꯎ ꯂꯤꯇꯔꯦꯔꯤ ꯀ꯭ꯋꯤꯖ - 27
ꯃꯊꯛꯇ ꯄꯤꯔꯤꯕ ꯋꯥꯍꯪꯁꯤꯡ ꯑꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯑꯣꯛꯇꯣꯕꯔ 15, ꯏꯔꯥꯏ ꯅꯨꯃꯤꯠꯀꯤ
ꯑꯌꯨꯛ ꯄꯨꯡ 11 ꯐꯥꯎꯕꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯥꯎꯆꯦ ꯑꯁꯤꯒꯤ ꯑꯣꯐꯤꯁꯇ ꯅꯠꯇ꯭ꯔꯒ ꯏ-ꯃꯦꯜ
hueiyenliteraryquiz@gmail.com sid meL AoIn HabirKp
ꯌꯥꯒꯅꯤ꯫ ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕꯤꯔꯛꯄ/ꯊꯥꯕꯤꯔꯛꯄ ꯃꯇꯝꯗ ꯃꯤꯡ, ꯂꯩꯐꯝ, ꯃꯍꯩꯒꯤ ꯊꯥꯛ
ꯑꯝꯁꯨꯡ ꯀꯟꯇꯦꯛꯠ ꯅꯝꯕꯔ ꯃꯌꯦꯛ ꯁꯦꯡꯅ ꯏꯕꯤꯔꯛꯎ꯫ ꯋꯥꯍꯪ ꯈꯨꯗꯤꯡꯃꯛꯀꯤ
ꯄꯥꯎꯈꯨꯝ ꯆꯨꯝꯅ ꯅꯠꯇ꯭ꯔꯒ ꯃꯁꯤꯡ ꯌꯥꯝꯅ ꯆꯨꯝꯅ ꯄꯤꯕꯤꯔꯛꯄ ꯃꯤꯑꯣꯁꯤꯡ ꯑꯗꯨꯒꯤ
ꯗ꯭ꯔꯣ ꯑꯣꯠꯆꯔꯒ ꯂꯥꯏꯕꯛ ꯐꯕ ꯃꯤꯁꯛ ꯑꯃ ꯈꯟꯖꯒꯅꯤ꯫ ꯂꯣꯏꯅꯅ ꯈꯜꯂꯕ ꯃꯤꯁꯛ
ꯑꯈꯨꯗ ꯃꯅꯥ ꯄꯤꯖꯒꯅꯤ꯫

1| “ꯕꯤꯗꯥꯏ! ꯀꯪꯂꯩꯄꯥꯛ ꯕꯤꯗꯥꯏ!” ꯍꯥꯏꯕꯁꯤ ꯃꯄꯥꯟ ꯃꯅꯤꯄꯨꯔꯤ ꯑꯃꯅ ꯏꯕ
ꯂꯥꯏꯔꯤꯛꯅꯤ꯫ ꯑꯏꯕꯁꯤ ꯀꯅꯥꯅꯣ ꯑꯃꯁꯨꯡ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤ ꯀꯔꯝꯕ ꯃꯈꯜꯒꯤ
ꯂꯥꯏꯔꯤꯛꯅꯣ?

2| “ꯒꯤꯇꯥ-ꯂꯧꯁꯤꯡꯒꯤ ꯄꯨꯛꯀꯩ” ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯣꯔꯤꯖꯤꯅꯦꯜꯗꯨ ꯀꯅꯥꯅ
ꯏꯕ ꯀꯔꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ? ꯃꯅꯤꯄꯨꯔꯤꯗ ꯀꯅꯥꯅ ꯏꯊꯣꯛꯄꯅꯣ?
3| “ꯅꯤꯡꯇꯝꯕꯒꯤ ꯃꯃꯜ” ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛꯁꯤ ꯀꯅꯥꯅ ꯏꯕꯅꯣ ꯑꯃꯁꯨꯡ ꯀꯔꯝꯕ
ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯀꯅꯣ?
4| “ꯑꯔꯣꯏꯕ ꯄꯥꯎꯗꯝ” ꯍꯥꯏꯕ ꯂꯥꯏꯔꯤꯛ ꯑꯁꯤꯒꯤ ꯑꯏꯕ ꯀꯅꯥꯅꯣ ꯑꯃꯗꯤ ꯀꯔꯝꯕ
ꯃꯈꯜꯒꯤ ꯂꯥꯏꯔꯤꯛꯅꯣ?

5| “ꯎ-HMbaLagi ꯁꯩꯊꯥꯔꯣꯜ:- ꯃꯔꯤꯡ ꯈꯨꯝꯕꯤꯂꯣꯛ ꯃꯥꯏꯕ ꯊꯔꯥꯏꯂꯣꯛꯇ ꯁꯥꯠꯄ ꯂꯩ,
ꯁꯔꯤ ꯅꯥꯃꯨꯡ ꯁꯣꯟꯅ ꯋꯥꯁꯛꯅꯕꯅ ꯂꯩ, ꯄꯥꯃꯦꯟ ꯎꯖꯥꯎ ꯁꯛꯄ ꯂꯩ, ꯂꯩꯔꯥꯡ ꯀꯣꯂꯣꯏ
ꯃꯃꯤꯡꯗꯤ ꯎ-ꯊꯝꯕꯥꯜ ꯀꯧꯏꯗꯣ꯫” ꯀꯔꯤ ꯂꯥꯏꯔꯤꯛꯇꯒꯤ ꯂꯧꯊꯧꯔꯛꯄꯅꯣ?

ꯍꯟꯗꯛ ꯆꯍꯤꯁꯤꯒꯤ ꯑꯣꯏꯅ ꯙꯥꯚꯤꯗ Julius ꯑꯃꯁꯨꯡ ꯑꯔꯗꯦꯃ Patapoutian ꯗ ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤ ꯅꯠꯇ꯭ꯔꯒ ꯃꯦꯗꯤꯁꯤꯟꯒꯤ ꯅꯣꯕꯦꯜ ꯄ꯭ꯔꯥꯏꯖ ꯄꯤꯔꯒꯅꯤ ꯍꯥꯏꯅ ꯍꯧꯈꯤꯕ ꯑꯣꯛꯇꯣꯕꯔ 4ꯗ Karolinska ꯏꯅꯁꯇꯤꯇꯨꯇꯦꯇ ꯇ ꯂꯩꯔꯤꯕ ꯅꯣꯕꯦꯜ ꯑꯦꯁꯦꯝꯕ꯭ꯂꯤꯅ ꯍꯛꯆꯥꯡꯅ ꯃꯩꯁꯥ, ꯑꯏꯪꯕ ꯑꯃꯁꯨꯡ ꯄꯣꯠ ꯑꯃꯒ ꯊꯦꯡꯅꯕꯗ ꯈꯪꯕ ꯉꯝꯍꯟꯗꯨꯅ, ꯑꯩꯈꯣꯏꯒꯤ ꯅꯔꯚꯁ ꯁꯤꯁꯇꯝꯅ ꯃꯇꯧ ꯀꯔꯝꯅ ꯃꯩꯁꯥ, ꯑꯏꯪꯕ ꯑꯃꯁꯨꯡ ꯃꯦꯀꯥꯅꯤꯀꯦꯜ ꯁ꯭ꯇꯤꯃ꯭ꯌꯨꯜꯁꯁꯤꯡꯕꯨ ꯈꯪꯕꯒꯦ ꯍꯥꯏꯕꯒꯤ ꯂꯧꯁꯤꯡꯕꯨ ꯄꯥꯛ ꯁꯟꯅ ꯈꯪꯍꯟꯕ ꯉꯝꯂꯛꯈꯤꯕꯒꯤꯗꯃꯛ ꯑꯜꯐ꯭ꯔꯦꯗ ꯅꯣꯕꯦꯜꯒꯤ ꯃꯪꯖꯈꯤꯕ ꯃꯪꯂꯥꯟꯗꯨ ꯊꯨꯡꯍꯟꯕ ꯑꯣꯏꯅ ꯅꯣꯕꯦꯜ ꯄ꯭ꯔꯥꯏꯖ ꯑꯁꯤ ꯂꯥꯟꯊꯣꯛꯀꯗꯧꯔꯤꯕꯅꯤ꯫
ꯃꯤꯑꯣꯏꯕꯅ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯁꯤꯇꯤ ꯀꯔꯤꯅꯣ ꯍꯥꯏꯕꯁꯤ ꯈꯪꯗ꯭ꯔꯤꯉꯩꯒꯤ ꯃꯃꯥꯡꯗꯒꯤ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯁꯤꯇꯤꯅ ꯃꯤꯑꯣꯏꯕꯒꯤ ꯍꯛꯆꯥꯡ ꯃꯅꯨꯡꯗ ꯆꯥꯎꯔꯕ ꯊꯧꯗꯥꯡ ꯀꯌꯥ ꯂꯧꯗꯨꯅ ꯂꯥꯛꯈ꯭ꯔꯕꯅꯤ꯫ ꯊꯝꯃꯣꯏꯅ ꯈꯞꯂꯤꯕ, ꯅꯔꯚꯁ ꯁꯤꯁꯇꯝꯗ ꯅꯚꯔꯁꯤꯡꯅ ꯃꯈꯣꯏ ꯃꯁꯦꯜ ꯄꯥꯎ ꯐꯥꯎꯅꯔꯤꯕ ꯑꯁꯤꯁꯨ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯁꯤꯇꯤꯅꯅꯤ꯫ ꯑꯁꯨꯝꯅ ꯃꯇꯧ ꯀꯔꯝꯅ ꯑꯏꯪ-ꯑꯁꯥ ꯑꯃꯁꯨꯡ ꯃꯦꯀꯥꯅꯤꯀꯦꯜ ꯁ꯭ꯇꯤꯃ꯭ꯌꯨꯜꯁꯁꯤꯡꯕꯨ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯦꯜ ꯏꯝꯄꯜꯁꯁꯤꯡꯗ ꯑꯣꯟꯊꯣꯛꯄꯒꯦ ꯍꯥꯏꯕ ꯋꯥꯍꯪꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯍꯧꯈꯤꯕ ꯁꯥꯡꯂꯕ ꯃꯇꯝꯁꯤꯒꯤ ꯃꯅꯨꯡꯗ ꯄꯤꯕ ꯉꯝꯗꯅ ꯂꯥꯛꯈꯤꯕꯅꯤ꯫ ꯋꯥꯍꯪꯁꯤꯒꯤ ꯄꯥꯎꯈꯨꯝ ꯄꯤꯕ ꯉꯝꯈꯤꯕꯒꯤꯗꯃꯛ ꯃꯈꯣꯏ ꯑꯅꯤꯅ ꯃꯥꯂꯦꯝꯒꯤ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯁꯤꯡꯊꯥꯅꯔꯤꯕ ꯃꯁꯥꯁꯤ ꯂꯧꯒꯗꯧꯔꯤꯕꯅꯤ꯫
ꯙꯥꯚꯤꯗ Julius : ꯀꯨꯟꯁꯨꯕ ꯆꯍꯤ ꯆꯥꯒꯤ ꯂꯣꯏꯁꯤꯜꯂꯛꯄꯗ ꯌꯨꯅꯤꯚꯔꯁꯤꯇꯤ ꯑꯣꯐ ꯀꯥꯂꯤꯐꯣꯔꯅꯤꯌꯥ, ꯁꯥꯟ ꯐ꯭ꯔꯥꯟꯁꯤꯁꯀꯣ, ꯌꯨ ꯑꯦꯁ ꯑꯦꯒꯤ ꯙꯥꯚꯤꯗ Julius ꯅ ꯃꯣꯔꯣꯛ ꯆꯥꯔꯨꯕ ꯑꯃꯁꯨꯡ ꯃꯁꯤꯒ ꯁꯣꯛꯅꯔꯨꯕ ꯃꯇꯝꯗ ꯃꯣꯔꯣꯛꯇ ꯌꯥꯎꯔꯤꯕ ꯀꯦꯃꯤꯀꯦꯜ kMPaUNd ꯀꯦꯞꯁꯥꯏꯁꯤꯟꯅ ꯀꯔꯝꯅ ꯁꯥꯒꯠꯄ ꯄꯣꯛꯍꯜꯂꯤꯕꯅꯣ ꯍꯥꯏꯕꯁꯤꯒꯤ ꯃꯇꯥꯡꯗ ꯊꯤꯖꯤꯜꯂꯛꯈꯤ꯫ ꯀꯦꯞꯁꯥꯏꯁꯤꯟꯅ ꯅꯔꯚ ꯁꯦꯜꯁꯤꯡꯕꯨ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯗꯨꯅ ꯁꯥꯒꯠꯄ ꯐꯥꯎꯍꯜꯂꯤ ꯍꯥꯏꯕꯁꯤꯗꯤ ꯍꯥꯟꯅꯗꯒꯤ ꯍꯧꯅ ꯈꯪꯅꯔꯛꯂꯕꯅꯤ, ꯑꯗꯨꯕꯨ ꯀꯦꯃꯤꯀꯦꯜ ꯑꯁꯤꯅ ꯃꯇꯧ ꯀꯔꯝꯅ ꯁꯥꯒꯠꯍꯜꯂꯤꯕꯅꯣ ꯍꯥꯏꯕꯁꯤꯒꯤ ꯃꯇꯥꯡꯗꯗꯤ ꯇꯥꯡꯗꯥꯡꯕ ꯑꯃ ꯈꯪꯗꯅ ꯂꯥꯛꯈꯤꯕꯅꯤ꯫ ꯙꯥꯚꯤꯗ Julius ꯑꯃꯁꯨꯡ ꯃꯍꯥꯛꯀꯤ ꯈꯣꯡꯂꯣꯏꯁꯤꯡꯅ ꯁꯥꯒꯠꯄ, ꯃꯩꯁꯥ ꯑꯃꯁꯨꯡ ꯁꯣꯛꯄꯗ ꯔꯤꯑꯦꯛꯠ ꯇꯧꯕ ꯉꯝꯕ ꯁꯦꯟꯁꯔꯤ ꯅ꯭ꯌꯨꯔꯣꯟꯁꯤꯡꯗ ꯑꯦꯛꯄ꯭ꯔꯦꯁ ꯇꯧꯔꯤꯕ ꯖꯤꯟꯁꯤꯡꯗꯨꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯙꯟꯑ ꯐ꯭ꯔꯥꯒꯃꯦꯟꯠ ꯑꯗꯨꯕꯨ ꯏꯟꯀꯣꯗ ꯇꯧꯕ ꯙꯟꯑ ꯐ꯭ꯔꯥꯒꯃꯦꯟꯠ ꯑꯃ ꯌꯥꯎꯔꯝꯕ ꯌꯥꯏ ꯍꯥꯏꯅ ꯊꯥꯖꯈꯤ꯫ ꯂꯥꯏꯕ꯭ꯔꯦꯔꯤꯗꯨꯅꯒꯤ ꯙꯟꯑ ꯐ꯭ꯔꯥꯒꯃꯦꯟꯠꯁꯤꯡꯗ ꯌꯥꯎꯔꯤꯕ ꯖꯤꯟꯁꯤꯡꯗꯨꯒꯤ ꯃꯔꯝꯗ ꯀꯨꯞꯅ ꯌꯦꯡꯁꯤꯜꯂꯕ ꯃꯇꯨꯡꯗ, ꯁꯦꯜꯁꯤꯡꯕꯨ ꯀꯦꯞꯁꯥꯏꯁꯤꯟ ꯁꯦꯟꯁꯤꯇꯤꯚ ꯑꯣꯏꯍꯜꯂꯤꯕ ꯖꯤꯟ ꯑꯃꯈꯛ ꯃꯁꯛ ꯈꯪꯕ ꯉꯝꯈꯤ꯫ ꯑꯁꯨꯝꯅ ꯀꯦꯞꯁꯥꯏꯁꯤꯟꯕꯨ ꯃꯁꯛ ꯈꯪꯕ ꯉꯝꯕ ꯖꯤꯟꯗꯨ ꯄꯨꯊꯣꯔꯛꯈꯤ꯫ ꯃꯈꯥ ꯇꯥꯔꯛꯄ ꯆꯥꯡꯌꯦꯡꯁꯤꯡꯗ, ꯃꯁꯛ ꯈꯪꯂꯕ ꯖꯤꯟ ꯑꯗꯨꯅ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜ ꯄ꯭ꯔꯣꯇꯤꯟ ꯑꯃꯕꯨ ꯏꯟꯀꯣꯗ ꯇꯧꯏ ꯑꯗꯨꯒ ꯑꯁꯨꯝꯅ ꯅꯧꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕ ꯀꯦꯞꯁꯥꯏꯁꯤꯟ ꯔꯤꯁꯦꯞꯇꯔ ꯑꯁꯤꯕꯨ TRPV1 ꯍꯥꯏꯅ ꯈꯪꯅꯔꯛꯈꯤ꯫
ꯑꯇꯣꯞꯄ ꯑꯃꯔꯣꯝꯗꯅ, ꯙꯥꯚꯤꯗ Julius ꯑꯃꯁꯨꯡ ꯑꯔꯗꯦꯃ Patapoutian ꯅ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯂꯦꯕꯁꯤꯡꯗ, ꯑꯏꯪꯕꯅ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯕ ꯔꯤꯁꯦꯞꯇꯔ, TRPM8 ꯕꯨ ꯃꯁꯛ ꯈꯪꯗꯣꯛꯅꯕꯒꯤꯗꯃꯛ ꯀꯦꯃꯤꯀꯦꯜ ꯃꯦꯟꯊꯣꯜ ꯁꯤꯖꯤꯟꯅꯔꯝꯃꯤ꯫ TRPV1 ꯑꯃꯁꯨꯡ TRPM8 ꯒ ꯃꯔꯤ ꯂꯩꯅꯕ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜꯁꯤꯡ ꯄꯨꯊꯣꯛꯄ ꯉꯝꯈꯤ ꯑꯗꯨꯒ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯔꯦꯟꯖꯅ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯍꯟꯕ ꯉꯝꯃꯤ ꯍꯥꯏꯕꯁꯤ ꯈꯪꯂꯛꯈꯤ꯫ ꯃꯁꯤꯗꯤ ꯙꯥꯚꯤꯗ Julius ꯅ TRPV1 ꯄꯨꯊꯣꯔꯛꯄꯁꯤꯅ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯆꯥꯡꯁꯤꯡꯅ ꯅꯔꯚꯁ ꯁꯤꯁꯇꯝꯕ
ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯦꯜ ꯁꯤꯒꯅꯦꯜ ꯀꯔꯝꯅ ꯊꯣꯛꯍꯜꯂꯛꯄꯒꯦ ꯍꯥꯏꯕꯗꯨ ꯈꯪꯕ ꯉꯝꯍꯜꯂꯦ꯫
Ardem Patapoutian : Scripps Research, kaliforniya, yu AEs Ae Patapoutian ꯑꯃꯁꯨꯡ ꯃꯍꯥꯛꯀ ꯄꯨꯟꯅ ꯊꯤꯖꯤꯟꯃꯤꯟꯅꯈꯤꯕꯁꯤꯡꯅ ꯑꯍꯥꯟꯕꯗ ꯃꯥꯏꯀ꯭ꯔꯣꯄꯤꯄꯦꯠ ꯑꯃꯅ ꯁꯦꯜ ꯑꯃꯗ ꯁꯣꯛꯄ (ꯃꯦꯀꯥꯅꯤꯀꯦꯜ ꯐꯣꯔꯁ) ꯃꯇꯝꯗ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯛ ꯁꯤꯒ꯭ꯅꯦꯜ ꯊꯥꯗꯣꯔꯛꯄ ꯁꯦꯜ ꯂꯥꯏꯅ ꯑꯃ ꯃꯁꯛ ꯈꯪꯕ ꯉꯝꯈꯤ꯫ ꯃꯈꯣꯏꯅ ꯃꯦꯀꯥꯅꯤꯀꯦꯜ ꯐꯣꯔꯁ ꯑꯁꯤꯅ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯍꯜꯂꯤꯕ ꯔꯦꯁꯦꯞꯇꯔꯗꯨ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜ ꯑꯃꯅꯤ ꯍꯥꯏꯅ ꯈꯜꯂꯝꯃꯤ ꯑꯃꯁꯨꯡ ꯑꯣꯏꯊꯣꯛꯄ ꯌꯥꯔꯤꯕ ꯔꯤꯁꯦꯞꯇꯔꯁꯤꯡꯕꯨ ꯏꯟꯀꯣꯗ ꯇꯧꯔꯤꯕ ꯀꯦꯟꯗꯤꯗꯦꯠ ꯖꯤꯟ 72 ꯃꯁꯛ ꯈꯪꯗꯣꯛꯂꯝꯃꯤ꯫ ꯃꯈꯣꯏꯅ ꯅꯩꯅꯈꯤꯕ ꯁꯦꯜꯁꯤꯡꯗꯨꯗ ꯃꯦꯀꯥꯅꯣꯁꯦꯟꯁꯤꯇꯤꯚꯤꯇꯤꯒꯤ ꯊꯧꯗꯥꯡ ꯂꯧꯔꯤꯕ ꯖꯤꯟꯗꯨ ꯄꯨꯊꯣꯛꯅꯕꯒꯤꯗꯃꯛ ꯑꯁꯤꯒꯨꯝꯕ ꯖꯤꯟꯁꯤꯡꯁꯤꯕꯨ ꯑꯃꯃꯝꯇ ꯑꯣꯏꯅ ꯏꯟꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯔꯝꯃꯤ꯫ ꯀꯟꯅ ꯍꯣꯠꯅꯔꯕ ꯃꯇꯨꯡꯗ, Patapoutian ꯑꯃꯁꯨꯡ ꯃꯍꯥꯛꯀꯤ ꯈꯣꯡꯂꯣꯏꯁꯤꯡꯅ ꯇꯣꯞ-ꯇꯣꯞꯄ ꯖꯤꯟ ꯑꯃ ꯊꯦꯡꯅꯈꯤ꯫ ꯖꯤꯟ ꯑꯁꯤꯕꯨ ꯏꯟꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯕ ꯃꯇꯝꯗ, ꯃꯥꯏꯀ꯭ꯔꯣꯄꯤꯄꯦꯠꯇꯅ ꯁꯣꯛꯄꯗ ꯁꯦꯜꯕꯨ ꯏꯟꯁꯦꯟꯁꯤꯇꯤꯚ ꯑꯣꯏꯍꯟꯕ ꯉꯝꯂꯝꯃꯤ꯫ ꯄꯨꯝꯅꯧ ꯅꯧꯕ ꯃꯦꯀꯥꯅꯣꯁꯦꯟꯁꯤꯇꯤꯚ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜ ꯑꯃ ꯄꯨꯊꯣꯛꯈꯤ ꯑꯗꯨꯒ ꯃꯗꯨꯕꯨ Piezo 1 (ꯒ꯭ꯔꯤꯛ ꯂꯣꯜꯗ ꯄ꯭ꯔꯦꯁꯔ ꯍꯥꯏꯕꯅꯤ) ꯍꯥꯏꯅ ꯈꯪꯅꯈꯤ꯫ ꯑꯅꯤꯁꯨꯕ ꯖꯤꯟ ꯑꯃꯁꯨ ꯄꯨꯊꯣꯛꯄ ꯉꯝꯈꯤ; ꯃꯗꯨꯕꯨꯅ Piezo 2 ꯍꯥꯏꯅ ꯀꯧꯔꯝꯃꯤ꯫ Piezo 1 ꯑꯃꯁꯨꯡ Piezo 2 ꯁꯤꯡꯁꯤ ꯁꯦꯜ ꯃꯦꯝꯕ꯭ꯔꯦꯏꯟꯁꯤꯡꯗ ꯄ꯭ꯔꯦꯁꯔ ꯄꯤꯕ ꯃꯇꯝꯗ ꯍꯛꯊꯦꯡꯅꯅ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯕ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜꯁꯤꯡꯅꯤ꯫
Patapoutian ꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕꯅ ꯃꯈꯥ ꯇꯥꯅ ꯊꯤꯖꯤꯟꯕꯒꯤ ꯊꯕꯛ ꯀꯌꯥꯗ ꯀꯥꯟꯅꯕ ꯄꯤꯔꯛꯇꯨꯅ ꯈꯪꯕ ꯉꯝꯂꯛꯈꯤ ꯃꯗꯨꯗꯤ Piezo 2 ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜ ꯑꯁꯤ ꯁꯣꯛꯄꯒꯤ ꯏꯍꯨꯜ ꯈꯪꯍꯟꯕꯗ ꯆꯪꯗꯕ ꯌꯥꯗꯕ ꯑꯃ,ꯅꯤ꯫ ꯃꯁꯤꯒꯤꯁꯨ ꯃꯊꯛꯇ Piezo 2 ꯑꯁꯤ proprioception ꯍꯥꯏꯅ ꯈꯪꯅꯕ ꯍꯛꯆꯥꯡꯒꯤ ꯂꯩꯔꯤꯕ ꯐꯤꯚꯝ ꯑꯃꯁꯨꯡ ꯂꯦꯡ-ꯑꯣꯠꯄꯕꯨ ꯈꯪꯍꯟꯕꯗ ꯃꯔꯨ ꯑꯣꯏꯕ ꯊꯧꯗꯥꯡ ꯂꯧꯏ ꯍꯥꯏꯕꯁꯨ ꯈꯪꯂꯛꯂꯂꯝꯃꯤ꯫ ꯃꯈꯥ ꯇꯥꯅ ꯊꯤꯖꯤꯜꯂꯛꯄꯗ, Piezo 1 ꯑꯃꯁꯨꯡ Piezo 2 ꯆꯦꯅꯦꯜꯁꯤꯡꯅ ꯕ꯭ꯂꯗ ꯄ꯭ꯔꯦꯁꯔ, ꯔꯦꯁꯄꯤꯔꯦꯁꯟ ꯑꯃꯁꯨꯡ ꯌꯨꯔꯤꯅꯔꯤ ꯕ꯭ꯂꯦꯗꯔ ꯀꯟꯇ꯭ꯔꯣꯜ ꯇꯧꯕ ꯌꯥꯎꯅ ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤꯀꯦꯜ ꯄ꯭ꯔꯣꯁꯦꯁꯁꯤꯡꯕꯨ ꯔꯦꯒ꯭ꯌꯨꯂꯦꯠ ꯇꯧꯏ ꯍꯥꯏ ꯍꯥꯏꯕꯁꯨ ꯈꯪꯂꯛꯂꯝꯃꯤ꯫
TRPV 1, TRPM8 ꯑꯃꯁꯨꯡ Piezo ꯆꯦꯅꯦꯜꯁꯤꯡ ꯄꯨꯊꯣꯔꯛꯄꯁꯤꯅ ꯃꯇꯧ ꯀꯔꯝꯅ ꯃꯩꯁꯥ, ꯑꯏꯪꯕ ꯑꯃꯁꯨꯡ ꯃꯦꯀꯥꯅꯤꯀꯦꯜ ꯐꯣꯔꯁꯅ ꯅꯚꯔ ꯏꯝꯄꯜꯁꯤꯡꯕꯨ ꯃꯊꯧ ꯇꯧꯍꯟꯗꯨꯅ ꯑꯩꯈꯣꯏꯒꯤ ꯑꯀꯣꯏꯕꯒꯤ ꯐꯤꯚꯝꯕꯨ ꯈꯪꯕꯒꯦ ꯑꯃꯁꯨꯡ ꯃꯗꯨꯒ ꯆꯨꯁꯤꯟꯅꯅ ꯍꯤꯡꯕꯒꯦ ꯍꯥꯏꯕꯗꯨ ꯈꯪꯕ ꯉꯝꯍꯜꯂꯦ꯫ Piezo 2 ꯆꯦꯅꯦꯜꯅ ꯁꯣꯛꯄꯒꯤ ꯁꯦꯟꯁ ꯑꯃꯁꯨꯡ
ꯑꯩꯈꯣꯏꯒꯤ ꯍꯛꯆꯥꯡꯒꯤ ꯄꯥꯔꯠꯁꯤꯡꯅ ꯂꯩꯔꯤꯕ ꯐꯤꯚꯝ
ꯑꯃꯁꯨꯡ ꯂꯦꯡ-ꯑꯣꯠꯄꯗꯨ ꯈꯪꯕ ꯉꯝꯕꯒꯤ ꯁꯛꯇꯤ
ꯄꯤ꯫ TRP ꯑꯃꯁꯨꯡ Piezo ꯆꯦꯅꯦꯜꯁꯤꯡꯅ ꯑꯏꯪ-
ꯑꯁꯥ ꯅꯠꯇ꯭ꯔꯒ ꯃꯦꯀꯥꯅꯤꯀꯦꯜ stBimyuBLssiZbu
ꯈꯪꯕꯒꯤ ꯃꯈꯥ ꯄꯣꯜꯂꯤꯕ ꯑꯇꯣꯄꯄ ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤꯀꯦꯜ
ꯐꯪꯛꯁꯟ ꯀꯌꯥꯕꯨꯁꯨ ꯈꯪꯍꯟꯕ ꯉꯝꯂꯦ꯫ ꯍꯟꯗꯛ ꯆꯍꯤꯒꯤ
ꯅꯣꯕꯦꯜ ꯂꯣꯔꯦꯠꯁꯤꯡꯅ ꯄꯨꯊꯣꯔꯛꯂꯤꯕ ꯑꯁꯤꯗ ꯌꯨꯝꯐꯝ
ꯑꯣꯏꯔꯒ ꯊꯤꯖꯤꯟꯕꯒꯤ ꯊꯕꯛ ꯀꯌꯥ ꯄꯥꯏꯈꯠꯂꯛꯇꯨꯅ
ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤꯀꯦꯜ ꯄ꯭ꯔꯣꯁꯦꯁ ꯀꯌꯥꯗ ꯃꯈꯣꯏꯒꯤ
ꯃꯊꯧꯁꯤꯡꯁꯨ ꯈꯪꯕ ꯉꯝꯂꯛꯂꯦ꯫ ꯑꯁꯨꯝꯅ ꯇꯥꯟꯁꯤꯜꯂꯛꯄ
ꯂꯧꯁꯤꯡ ꯑꯁꯤꯅ ꯀ꯭ꯔꯣꯅꯤꯛ ꯄꯥꯏꯟ ꯌꯥꯎꯅ ꯃꯈꯜ-ꯃꯈꯥ
ꯀꯌꯥꯒꯤ ꯑꯅꯥꯕꯁꯤꯡꯕꯨ ꯂꯥꯌꯦꯡꯕꯗ ꯁꯤꯖꯤꯟꯅꯔꯛꯂꯤ꯫=

ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤ ꯅꯠꯇ꯭ꯔꯒ ꯃꯦꯗꯤꯁꯤꯟꯒꯤ ꯅꯣꯕꯦꯜ ꯄ꯭ꯔꯥꯏꯖ 2021
(ꯑꯏꯪ-ꯑꯁꯥ ꯑꯃꯁꯨꯡ ꯍꯛꯆꯥꯡꯗ ꯈꯨꯠꯅ ꯁꯣꯛꯄꯒꯤ ꯔꯤꯁꯦꯞꯇꯔꯁꯤꯡ ꯄꯨꯊꯣꯛꯈꯤꯕꯒꯤꯗꯃꯛ)
ꯁꯥꯏꯟꯁꯀꯤ ꯈꯣꯡꯆꯠ
ꯀꯨꯟꯖꯣ ꯅꯥꯎꯔꯦꯝ
ꯕꯔꯂꯤꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯃꯁꯨꯡ ꯍꯤꯠꯂꯔ (1936) # 7
ꯕꯔꯂꯤꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯃꯇꯨꯡ ꯆꯍꯤ 44 ꯂꯩꯔꯒ ꯁ꯭ꯇꯦꯜꯂꯥ-ꯋꯥꯜꯁ (ꯑꯃꯦꯔꯤꯀꯥꯒꯤ ꯁꯤꯇꯤꯖꯟꯁꯤꯞ
ꯐꯪꯂꯕ ꯃꯇꯨꯡꯗ) ꯀꯨꯝꯖꯥ 1980ꯒꯤ ꯗꯤꯁꯦꯝꯕꯔ 4ꯗ ꯄꯣꯂꯦꯟꯗꯒꯤ ꯅꯦꯁꯅꯜ ꯕꯥꯁꯀꯦꯠꯕꯣꯜ ꯇꯤꯝ ꯑꯃ
ꯀ꯭ꯂꯤꯚꯂꯦꯟꯗ ꯊꯨꯡꯂꯒꯗꯕꯒꯤ ꯑꯣꯛꯅꯕ ꯁꯦꯝ ꯁꯥꯕꯒꯤ ꯄꯣꯠ ꯆꯩ ꯂꯩꯕ ꯆꯠꯄꯗ ꯀꯩꯊꯦꯜꯒꯤ ꯍꯨꯔꯥꯟꯕꯁꯤꯡꯅ ꯅꯣꯡꯃꯩ ꯀꯥꯞꯅꯕꯗ ꯀꯥꯡꯖꯦꯟꯅꯗꯨꯅ ꯅꯣꯡꯃꯩꯅ ꯄꯥꯟꯗꯨꯅ ꯁꯤꯈꯤ꯫ ꯂꯥꯌꯦꯡꯁꯪꯗ ‘ꯑꯇꯣꯞꯁꯤ’ ꯇꯧꯕꯗ ꯃꯍꯥꯛ ꯅꯤꯄꯥꯅꯤ ꯍꯥꯏꯕ ꯈꯪꯂꯛꯈꯤ꯫ ꯃꯤꯇꯔ 4X100ꯒꯤ ꯔꯤꯂꯦꯗ ꯖꯔꯝꯃꯅꯤꯒꯤ ꯅꯨꯄꯤꯁꯤꯡꯅ ꯑꯍꯥꯟꯕ ꯔꯥꯎꯟꯗꯗ ꯃꯥꯂꯦꯝꯒꯤ ꯔꯦꯀꯣꯔꯗ ꯑꯃ seKeNd 46.4ꯗ ꯆꯦꯟꯗꯨꯅ ꯊꯝꯈꯤ꯫ ꯔꯤꯂꯦꯒꯤ ꯐꯥꯏꯅꯦꯜ ꯅꯨꯃꯤꯠ ꯑꯗꯨꯗ ꯃꯤꯑꯣꯏ ꯂꯥꯈ ꯑꯃꯔꯣꯝ ꯇꯤꯜꯂꯝꯃꯤ, ꯆꯥꯟꯁꯦꯜꯂꯔ-ꯑꯦꯗꯣꯜꯐ ꯍꯤꯠꯂꯔ ꯑꯃꯁꯨꯡ ꯕꯜꯒꯦꯔꯤꯌꯥꯒꯤ ꯅꯤꯡꯊꯧ ꯕꯣꯔꯁꯤꯁꯨ ꯊꯧꯔꯝ ꯑꯗꯨ ꯌꯦꯡꯂꯝꯃꯤ꯫ ꯌꯨ ꯑꯦꯁ ꯑꯦ, ꯀꯅꯥꯗ, ꯕ꯭ꯔꯤꯇꯦꯟ, ꯖꯔꯝꯃꯅꯤ, ꯏꯇꯂꯤ ꯑꯃꯁꯨꯡ ꯍꯣꯂꯦꯟꯗ ꯐꯥꯏꯅꯦꯜꯗ ꯂꯝꯕꯥ ꯇꯧꯅꯔꯝꯃꯤ꯫ ꯂꯝꯊꯥꯕꯗꯒꯤ ꯖꯔꯝꯃꯅꯤꯒꯤ ꯇꯤꯝꯅ ꯈ꯭ꯋꯥꯏꯗꯒꯤ ꯃꯥꯡ ꯊꯥꯗꯨꯅ ꯆꯦꯜꯂꯝꯃꯤ꯫ ꯃꯗꯨꯗ ꯃꯤꯌꯥꯝꯅ ꯍꯔꯥꯎꯗꯨꯅ ꯄꯨꯛꯅꯤꯡ ꯊꯧꯒꯠꯇꯨꯅ ꯂꯥꯎꯔꯝꯃꯤ꯫ ꯃꯈꯣꯏꯅ ꯅꯛꯅꯕ ꯂꯝꯕꯥ ꯌꯨ ꯑꯦꯁ ꯑꯦꯗꯒꯤ ꯃꯤꯇꯔ 8 ꯂꯣꯝ ꯍꯦꯟꯗꯨꯅ ꯆꯦꯜꯂꯛꯄꯗꯒꯤ ꯃꯦꯔꯤ-ꯗꯣꯜꯂꯤꯡꯒꯔꯅ ꯑꯔꯣꯏꯕꯗ ꯆꯦꯟꯒꯗꯕꯤ ꯏꯜꯁꯦ-ꯗꯣꯔꯐꯦꯜꯗꯠꯗ ꯕꯦꯇꯟ (ꯆꯩꯇꯨꯞ) ꯁꯤꯟꯅꯕꯗ ꯕꯦꯇꯟ ꯑꯗꯨ ꯗꯣꯔꯐꯦꯜꯗꯠꯀꯤ ꯃꯈꯨꯠꯇꯒꯤ ꯅꯥꯟꯊꯣꯛꯇꯨꯅ ꯂꯩꯕꯥꯛꯇ ꯇꯥꯔꯝꯃꯤ, ꯇꯥꯟꯖꯥ ꯑꯗꯨꯗ ꯌꯨ ꯑꯦꯁ ꯑꯦꯒꯤ ꯇꯤꯝꯗ ꯈꯨꯗꯣꯡꯆꯥꯕ ꯑꯃ ꯂꯧꯈꯤꯗꯨꯅ ꯔꯤꯂꯦ ꯑꯗꯨ ꯊꯣꯏꯈꯤꯔꯝꯃꯤ꯫ ꯒ꯭ꯔꯦꯠ ꯕ꯭ꯔꯤꯇꯦꯟꯅ ꯂꯨꯄꯥꯒꯤ ꯑꯃꯁꯨꯡ ꯀꯥꯅꯥꯗꯥꯅ ꯁꯦꯟꯁꯦꯡꯒꯤ ꯃꯦꯗꯜ ꯂꯧꯈꯤ꯫ ꯖꯔꯝꯃꯅꯤꯁꯤꯡꯅ ꯃꯦꯗꯜ ꯐꯪꯍꯧꯗꯕꯒꯤ ꯊꯧꯗꯥꯡꯗꯤ ꯕꯦꯇꯟ ꯊꯥꯖꯈꯤꯕꯤ, ꯑꯔꯣꯏꯕꯗ ꯆꯦꯟꯒꯗꯕꯤ ꯗꯣꯔꯐꯦꯜꯗꯠ ꯑꯣꯏꯔꯝꯃꯤ, ꯃꯔꯝ ꯑꯗꯨꯅ ꯃꯍꯥꯛ ꯌꯥꯝꯅ ꯀꯞꯂꯝꯃꯤ, ꯃꯗꯨ ꯎꯕꯗ ꯍꯤꯜꯂꯔꯅ ꯃꯍꯥꯛꯀꯤ ꯃꯐꯝꯗ ꯀꯧꯁꯤꯟꯗꯨꯅ ꯊꯦꯝꯕꯤꯔꯝꯃꯤ꯫
ꯍꯥꯏꯖꯝꯞꯗ ꯅꯨꯄꯤ ꯑꯍꯨꯝ ꯃꯤꯇꯔ 1.60 ꯆꯞ ꯃꯥꯟꯅꯅ ꯂꯥꯟꯊꯣꯛꯂꯝꯃꯤ, ꯃꯊꯪꯒꯤ ꯍꯥꯞꯀꯠꯄꯗꯗꯤ ꯃꯈꯣꯏ ꯑꯍꯨꯝ ꯆꯣꯡꯕ ꯉꯝꯈꯤꯗꯦ ꯑꯗꯨꯕꯨ ꯃꯇꯝ ꯑꯗꯨꯒꯤ ꯆꯠꯅꯕꯤ ꯀꯥꯡꯂꯣꯟꯒꯤ ꯃꯇꯨꯡꯏꯟꯅ ‘ꯖꯝꯞ ꯑꯣꯐ’ ꯇꯧꯅꯕꯗ ꯍꯪꯒꯦꯔꯤꯒꯤ ꯏꯕꯣꯂꯌꯜ-ꯀꯁꯥꯛꯅ ꯃꯤꯇꯔ 1.62 ꯆꯣꯡꯗꯨꯅ ꯃꯀꯣꯛ ꯑꯣꯏꯈꯤ꯫ ꯕꯔꯤꯇꯦꯟꯒꯤ ꯗꯣꯔꯣꯊꯤ-ꯑꯣꯗꯥꯝꯅ ꯑꯅꯤꯁꯨꯕ ꯃꯅꯥ ꯐꯪꯈꯤ, ꯖꯔꯝꯃꯅꯤꯒꯤ ꯑꯦꯜꯐ꯭ꯔꯤꯗꯤ-ꯀꯤꯑꯣꯟꯅ ꯑꯍꯨꯝꯁꯨꯕ ꯇꯥꯈꯤ, ꯃꯔꯤꯁꯨꯕ ꯇꯥꯈꯤꯕ ꯗꯣꯔꯥ-ꯔꯥꯠꯖꯦꯟ ꯍꯥꯔꯃꯥꯐ꯭ꯔꯣꯗꯥꯏꯠ ꯍꯥꯏꯕꯗꯤ ꯅꯨꯄꯥ-ꯅꯨꯄꯤ ꯄꯨꯟꯕ ꯀꯥꯡꯂꯨꯞꯇ ꯂꯩꯕ ꯃꯔꯝꯅ ꯃꯇꯨꯡꯗ ꯁꯥꯟꯅꯕ ꯌꯥꯎꯕ ꯊꯤꯡꯈꯤ꯫ ꯗꯣꯔꯣꯊꯤ-ꯑꯣꯗꯥꯝ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯃꯔꯤꯗ ꯁꯔꯨꯛ ꯌꯥꯔꯝꯃꯤ ꯑꯗꯨꯝ ꯑꯣꯏꯅꯃꯛ ꯃꯔꯥꯏꯕꯛ ꯊꯤꯕꯤ ꯑꯣꯂꯤꯝꯄꯤꯌꯟꯁꯤꯡꯒꯤ ꯃꯔꯛꯇ ꯑꯃꯅꯤ꯫ ꯍꯧꯖꯤꯛꯀꯤ ꯃꯇꯝꯒꯤ ꯆꯠꯅꯕꯤ ꯀꯥꯡꯂꯣꯟ ꯑꯁꯤ ꯑꯣꯏꯔꯝꯂꯕꯗꯤ ꯃꯍꯥꯛ ꯍꯥꯏꯖꯝꯞꯗ ꯃꯀꯣꯛ ꯑꯣꯏꯔꯝꯒꯗꯕꯅꯤ, ꯆꯍꯤ 12ꯒꯤ ꯃꯇꯨꯡꯗ ꯂꯟꯗꯟ ꯑꯣꯂꯤꯝꯄꯤꯛꯇ (1948) ꯃꯍꯥꯛꯅ ꯑꯃꯦꯔꯤꯀꯥꯒꯤ ꯀꯣꯆꯃꯦꯟꯒ ꯃꯤꯇꯔ 1.68 ꯆꯞ ꯃꯥꯟꯅꯅ ꯆꯣꯡꯂꯝꯃꯤ꯫ ꯃꯍꯥꯛ ꯑꯅꯤꯁꯨꯕ ꯃꯅꯥ ꯐꯪꯈꯤ, ꯑꯍꯥꯟꯕ ꯃꯅꯤ ꯐꯪꯕ ꯉꯝꯈꯤꯗꯦ꯫ ꯆꯍꯤ 16 ꯂꯩꯔꯒ ꯍꯦꯜꯁꯤꯟꯀꯤꯗ ꯃꯍꯥꯛ ꯇꯔꯦꯠꯁꯨꯕ ꯇꯥꯈꯤ꯫ ꯀꯨꯝꯖꯥ 1956, ꯃꯦꯜꯕꯣꯔꯟꯗ 12ꯁꯨꯕ ꯇꯥꯈꯤ꯫ ꯃꯥꯂꯦꯝꯒꯤ ꯔꯦꯀꯣꯔꯗ ꯄꯥꯏꯔꯤꯕꯤ ꯑꯃꯗꯤ ꯅꯥꯖꯤ ꯄꯥꯔꯇꯤꯒꯤ ꯃꯦꯝꯕꯔ ꯃꯁꯛ-ꯃꯇꯧ ꯆꯪꯈꯣꯟꯕꯤ, ꯐꯨꯠ 6 ꯋꯥꯡꯕꯤ ꯒꯤꯁꯦꯂꯥ-ꯃꯥꯎꯔꯃꯦꯌꯔꯅ ꯗꯤꯁꯀꯁ ꯂꯪꯕꯗ ꯑꯣꯂꯤꯝꯄꯤꯛꯀꯤ ꯔꯦꯀꯣꯔꯗ ꯊꯨꯒꯥꯏꯔꯝꯃꯤ꯫ ꯅꯥꯖꯤꯒꯤ ꯃꯦꯝꯕꯔ ꯑꯣꯏꯅꯕꯒꯤꯗꯃꯛ ꯂꯥꯟ ꯂꯣꯏꯔꯕ ꯃꯇꯨꯡꯗ ꯃꯍꯥꯛꯄꯨ ꯃ꯭ꯌꯨꯅꯤꯛꯇ ꯑꯣꯖꯥ ꯑꯣꯏꯕꯗꯒꯤ ꯇꯣꯛꯍꯜꯂꯝꯃꯤ꯫ ꯃꯇꯨꯡꯗ ꯖꯨꯂꯣꯖꯤꯀꯦꯜ ꯏꯟꯁꯇꯤꯇ꯭ꯌꯨꯠ ꯑꯣꯐ ꯃ꯭ꯌꯨꯅꯤꯛ ꯌꯨꯅꯤꯚꯔꯁꯤꯇꯤꯗꯒꯤ ‘ꯁꯣꯁꯜ ꯕꯤꯍꯦꯕꯤꯌꯔ ꯑꯣꯐ ꯑꯦꯟꯠ’ ꯍꯥꯏꯕ ꯍꯤꯔꯝꯗ ꯗꯣꯛꯇꯔꯦꯠ ꯐꯪꯈꯤ꯫ ꯃꯍꯥꯛ ꯂꯥꯏꯕ꯭ꯔꯦꯔꯤꯌꯥꯟ ꯑꯃ ꯑꯣꯏꯅ ꯃꯇꯝ ꯂꯦꯟꯈꯤ꯫ ꯑꯇꯣꯞꯄ ꯖꯔꯝꯃꯟ ꯅꯤꯡꯉꯣꯜ ꯇꯤꯂꯤ-ꯐ꯭ꯂꯥꯏꯖꯆꯔꯅ ꯇꯥ ꯂꯪꯕꯗ ꯃꯀꯣꯛ ꯑꯣꯏꯈꯤ꯫ ꯏꯔꯣꯏꯕꯒꯤ ꯊꯧꯔꯝꯗ ꯌꯨ ꯑꯦꯁ ꯑꯦ, ꯖꯄꯥꯟ, ꯍꯪꯒꯦꯔꯤ ꯑꯃꯁꯨꯡ ꯍꯣꯂꯦꯟꯗ ꯑꯀꯟꯕ ꯂꯝꯕꯥ ꯇꯧꯅꯔꯝꯃꯤ꯫ ꯍꯪꯒꯦꯔꯤꯒꯤ ꯗꯥꯛꯇꯔ ꯐꯦꯔꯦꯅꯦ-ꯀꯁꯤꯛꯅ ꯃꯤꯇꯔ 100ꯒꯤ ꯐ꯭ꯔꯤꯁ꯭ꯇꯥꯏꯜꯗ ꯖꯄꯥꯅꯤꯖꯁꯤꯡꯕꯨ ꯑꯅꯤꯁꯨꯕ,
ꯑꯍꯨꯝꯁꯨꯕ ꯑꯃꯁꯨꯡ ꯃꯔꯤꯁꯨꯕ ꯄꯣꯖꯤꯁꯟ ꯇꯥꯍꯟꯈꯤ ꯑꯃꯗꯤ ꯃꯥꯂꯦꯝꯒꯤꯔꯦꯀꯣꯔꯗ ꯄꯥꯏꯔꯤꯕ ꯌꯨ ꯑꯦꯁ ꯑꯦꯒꯤ ꯄꯦꯇꯔ-ꯐꯤꯛꯄꯨ ꯃꯉꯥꯁꯨꯕ ꯄꯣꯖꯤꯁꯟꯗ ꯃꯥꯏꯊꯤꯕ ꯄꯤꯈꯤ꯫ ꯗꯥꯛꯇꯔ ꯐꯦꯔꯦꯅꯦ-ꯀꯁꯤꯛ ꯑꯅꯤꯁꯨꯕ ꯃꯥꯂꯦꯝꯒꯤ ꯂꯥꯟꯖꯥꯎꯗ ꯀꯨꯝꯖꯥ 1945ꯗ ꯑꯁꯣꯛꯄ ꯑꯃ ꯂꯥꯌꯦꯡꯂꯤꯉꯩꯗ ꯑꯦꯔꯣꯄ꯭ꯂꯦꯟꯒꯤ ꯕꯣꯝ ꯊꯥꯗꯔꯛꯇꯨꯅ ꯊꯋꯥꯏ ꯊꯥꯈꯤ꯫ ꯃꯤꯇꯔ 400ꯒꯤ ꯐ꯭ꯔꯤꯁ꯭ꯇꯥꯏꯜꯗ ꯑꯃꯦꯔꯤꯀꯥꯒꯤ ꯖꯦꯛ-ꯃꯦꯗꯤꯀꯥꯅ ꯖꯄꯥꯟꯒꯤ ꯁꯝꯄꯤ-ꯎꯇꯣꯕꯨ ꯌꯥꯝꯅ ꯅꯛꯅ ꯃꯥꯏꯊꯤꯕ ꯄꯤꯈꯤ ꯑꯃꯗꯤ ꯖꯦꯛ-ꯃꯦꯗꯤꯀꯥꯕꯨ ꯑꯇꯣꯄꯄ ꯖꯄꯥꯅꯤꯖ ꯅꯣꯕꯣꯔꯨ- ꯇꯦꯔꯥꯗꯥ ꯃꯤꯇꯔ 1500ꯒꯤ ꯐ꯭ꯔꯤꯁ꯭ꯇꯥꯏꯜꯗ ꯃꯥꯏꯊꯤꯕ ꯑꯃꯨꯛ ꯄꯤꯈꯤ꯫ ꯃꯤꯇꯔ 4X200 ꯔꯤꯂꯦꯗ ꯖꯄꯥꯅꯤꯖꯅ ꯑꯅꯧꯕ ꯃꯥꯂꯦꯝꯒꯤ ꯔꯦꯀꯣꯔꯗ ꯑꯃ ꯊꯝꯈꯤ꯫
ꯑꯣꯂꯤꯝꯄꯤꯛ ꯑꯁꯤꯒꯤ ꯏꯔꯣꯏꯕꯗ ꯁꯅꯥꯒꯤ ꯃꯦꯗꯜ ꯑꯍꯨꯝ, ꯂꯨꯄꯥꯒꯤ ꯃꯦꯗꯜ ꯑꯃ ꯐꯪꯈꯤꯕ ꯍꯣꯂꯦꯟꯗꯒꯤ ꯍꯦꯟꯗ꯭ꯔꯤꯀꯥ ‘ꯔꯤ’ ꯃꯥꯁꯇꯦꯟꯕ꯭ꯔꯣꯛ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯃꯇꯨꯡꯗ ꯌꯥꯝꯅ ꯋꯥꯅ ꯂꯦꯟꯈꯤ, ꯃꯍꯥꯛꯄꯨ ꯑꯣꯂꯤꯝꯄꯤꯛꯀꯤ ꯆꯦꯝꯄꯤꯌꯟꯅꯤ ꯍꯥꯏꯕ ꯀꯅꯥ ꯑꯃꯠꯇꯅ ꯅꯤꯡꯁꯤꯕꯤꯔꯝꯗꯦ꯫ ꯃꯍꯥꯛ ꯅꯣꯡꯃꯗ ꯄꯨꯡ 14 ꯃꯤꯒꯤ ꯌꯨꯝꯗ ꯋꯥꯏꯁꯤꯠꯇꯨꯅ ꯃꯤꯅꯥꯏꯒꯨꯝ ꯁꯦꯜ ꯇꯥꯜꯂꯝꯃꯤ꯫ ꯃꯔꯝꯗꯤ ꯃꯍꯥꯛ ꯅꯨꯄꯥ ꯈꯥꯏꯅꯗꯨꯅ ꯃꯆꯥꯁꯤꯡꯒ ꯇꯣꯉꯥꯟꯅ ꯂꯩꯔꯝꯃꯤ꯫ ꯕꯔꯂꯤꯟꯗ ꯃꯍꯥꯛꯅ ꯃꯤꯇꯔ 100, ꯃꯤꯇꯔ 400 ꯑꯃꯁꯨꯡ ꯃꯤꯇꯔ 4X100 ꯐ꯭ꯔꯤꯁ꯭ꯇꯥꯏꯜꯗ ꯃꯀꯣꯛ ꯑꯣꯏꯔꯝꯃꯤ ꯑꯃꯁꯨꯡ ꯃꯤꯇꯔ 100ꯒꯤ ꯕꯦꯛꯁ꯭ꯇ꯭ꯔꯣꯛꯇ ꯑꯅꯤꯁꯨꯕ ꯃꯅꯥ ꯐꯪꯈꯤ꯫ ꯃꯤꯇꯔ 100ꯒꯤ ꯕꯦꯛꯁ꯭ꯇ꯭ꯔꯣꯛꯇ ꯍꯦꯟꯗ꯭ꯔꯤꯀꯥꯅ ꯂꯦꯟ ꯇꯤꯡꯂꯤꯕ ꯊꯧꯔꯤꯗ ꯄꯟꯗꯨꯅ ꯃꯇꯝ ꯈꯔ ꯃꯥꯡꯈꯤꯕꯗꯒꯤ ꯃꯍꯥꯛꯅ ꯃꯔꯩꯕꯥꯛ ꯃꯆꯥ ꯗꯤꯅꯥꯅꯤꯗ-ꯁꯦꯟꯐꯕꯨ ꯇꯥꯟꯈꯠꯄ ꯉꯝꯈꯤꯗꯕꯅꯤ꯫
ꯊꯧꯔꯝ ꯑꯁꯤꯗ ꯀꯨꯝꯖꯥ 1932ꯒꯤ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯆꯦꯝꯄꯤꯌꯟ ꯏꯂꯤꯅꯣꯔ-ꯍꯣꯜꯝ ꯌꯥꯎꯕ ꯐꯪꯈꯤꯗꯦ꯫ ꯃꯔꯝꯗꯤ ꯃꯍꯥꯛꯄꯨ ꯌꯨ ꯑꯦꯁ ꯑꯦꯒꯤ ꯇꯤꯝ ꯇꯣꯡꯂꯛꯄ ꯖꯍꯥꯖ ꯑꯦꯁ ꯑꯦꯁ ꯃꯟꯍꯥꯠꯇꯟꯅ ꯐ꯭ꯔꯥꯟꯁꯀꯤ ꯍꯤꯊꯥꯡꯐꯝ ꯆꯔꯕꯣꯔꯒꯇ ꯊꯨꯡꯂꯕ ꯃꯇꯝꯗ ꯌꯨ ꯑꯦꯁ ꯑꯦ ꯇꯤꯝꯗꯒꯤ ꯇꯥꯟꯊꯣꯛꯂꯦ ꯍꯥꯏꯅ ꯂꯥꯎꯊꯣꯛꯂꯝꯃꯤ꯫ ꯏꯂꯤꯅꯣꯔ-ꯍꯣꯜꯝ ꯑꯐꯥꯎꯕ ꯏꯁꯩ ꯁꯛꯄ ꯑꯔꯠ-ꯖꯦꯔꯦꯠꯀꯤ ꯑꯀꯦ-ꯑꯃꯧ, ꯊꯛꯄ-ꯆꯥꯕ, ꯇꯧꯅꯤꯡꯕꯗ ꯇꯧꯕ, ꯅꯤꯡꯇꯝꯅ ꯄꯨꯟꯁꯤ ꯂꯦꯟꯕ ꯄꯥꯝꯕꯤ ꯅꯨꯄꯤꯅꯤ꯫ ꯈꯣꯡꯆꯠ ꯑꯗꯨꯗ ꯑꯃꯦꯔꯤꯀꯥꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯝꯃꯤꯇꯤꯒꯤ ꯑꯀꯟꯕ ꯀꯥꯡꯂꯣꯟ ꯑꯃꯗꯤ ꯑꯍꯨꯝꯁꯨꯕ ꯀ꯭ꯂꯥꯁꯇ ꯇꯣꯡꯍꯟꯕ ꯑꯗꯨ ꯃꯍꯥꯛ ꯌꯥꯝꯅ ꯍꯩꯅꯔꯝꯗꯦ꯫ ꯖꯨꯂꯥꯏ 17ꯇ ꯃꯟꯍꯥꯠꯇꯥꯟꯒꯤ ꯃꯄꯨ ꯌꯨꯅꯥꯏꯇꯦꯗ ꯁ꯭ꯇꯦꯠ ꯂꯥꯏꯟꯁꯀꯤ ꯃꯤꯁꯇꯔ ꯕꯦꯃꯥꯑꯣꯝꯅ ꯅꯨꯃꯤꯗꯥꯡ ꯆꯥꯛꯀꯧꯕ ꯑꯃꯗ ꯃꯍꯥꯛꯄꯨ ꯌꯥꯎꯕꯤꯅꯕ ꯍꯥꯏꯖꯔꯝꯃꯤ꯫ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯇꯤꯝꯗꯒꯤ ꯆꯥꯛꯀꯧꯕ ꯑꯗꯨ ꯃꯇꯣꯝꯇꯃꯛ ꯆꯦꯕꯥꯎ ꯄꯤꯔꯝꯃꯤ꯫ ꯃꯗꯨꯗ ꯃꯍꯥꯛ ꯑꯍꯤꯡ ꯆꯨꯞꯄ ꯌꯨ ꯊꯛꯄꯗꯨꯅ ꯑꯌꯨꯛꯀꯤ ꯄꯨꯡ 6 ꯇꯥꯕ ꯐꯥꯎꯕ ꯊꯛꯂꯝꯃꯤ꯫ ꯃꯊꯪꯒꯤ ꯅꯨꯃꯤꯠꯇ ꯇꯤꯝꯒꯤ ꯑꯣꯐꯤꯁꯜꯁꯤꯡꯅ ꯃꯉꯣꯟꯗ ꯑꯀꯟꯕ ꯋꯥꯔꯅꯤꯡ ꯑꯃ ꯄꯤꯔꯝꯃꯤ꯫ ꯃꯗꯨ ꯐꯥꯎꯕꯗ ꯃꯍꯥꯛ ꯖꯍꯥꯖꯗ ꯇꯣꯡꯂꯤꯕ ꯑꯇꯣꯞꯄ ꯃꯤꯌꯥꯝꯒꯤ ꯃꯃꯥꯡꯗ ꯌꯨ ꯊꯛꯂꯒ ꯅꯨꯡꯉꯥꯏꯊꯣꯛꯇꯨꯅ ꯂꯩꯔꯝꯃꯤ꯫ ꯆꯔꯕꯣꯔꯒꯇ ꯖꯍꯥꯖ ꯑꯗꯨ ꯊꯥꯗꯨꯅ ꯂꯩꯔꯤꯉꯩꯗ ꯖꯨꯂꯥꯏ 23ꯗ ꯃꯍꯥꯛꯅ ꯅꯨꯃꯤꯗꯥꯡ ꯄꯨꯡ 10.30 ꯐꯥꯎꯕ ꯁꯝꯄꯦꯟ ꯊꯛꯄꯒꯤ ꯄꯥꯔꯇꯤ ꯑꯃ ꯌꯥꯎꯔꯨꯕꯗꯒꯤ ꯖꯍꯥꯖ ꯃꯊꯛꯇ ꯇꯨꯔꯣꯏ-ꯉꯥꯝꯂꯣꯏ ꯅꯨꯄꯥ ꯑꯃꯅ ꯁꯝꯗꯨꯅ ꯄꯨꯔꯛꯂꯝꯃꯤ꯫ ꯃꯍꯥꯛꯀꯤ ꯀꯦꯕꯦꯟꯗ ꯍꯜꯂꯛꯂꯕ ꯃꯇꯨꯡꯗꯁꯨ ꯑꯍꯣꯕꯗ ꯃꯀꯣꯛ ꯂꯤꯠꯊꯣꯛꯇꯨꯅ ꯑꯀꯥꯝꯕ ꯋꯥꯍꯩꯁꯤꯡ ꯂꯥꯎꯔꯝꯃꯤ꯫ ꯃꯍꯥꯛꯀ ꯀꯦꯕꯤꯟ ꯑꯃꯠꯇꯗ ꯂꯩꯃꯤꯟꯅꯕ ꯑꯣꯂꯤꯚ-ꯃꯦꯛꯀꯤꯟ ꯑꯃꯁꯨꯡ ꯃꯦꯔꯤ-ꯂꯣꯑꯣ-ꯄꯦꯠꯇꯤꯅ ꯃꯍꯥꯛꯄꯨ ꯅꯝꯗꯨꯅ ꯇꯨꯝꯍꯜꯂꯝꯃꯤ꯫
ꯃꯊꯪꯒꯤ ꯑꯌꯨꯛꯇ ꯇꯤꯝ ꯃꯦꯅꯦꯖꯔ ꯍꯔꯕꯠ-ꯍꯣꯜꯝꯅ ꯃꯉꯣꯟꯗ ꯑꯃꯦꯔꯤꯀꯥꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯝꯃꯤꯇꯤꯅ ꯃꯍꯥꯛꯄꯨ ꯇꯥꯟꯊꯣꯛꯄ ꯍꯥꯏꯅ ꯋꯥꯔꯦꯞꯅꯔꯦ ꯍꯥꯏꯅ ꯄꯥꯎ ꯄꯤꯔꯝꯃꯤ꯫ ꯏꯂꯤꯅꯣꯔꯅ ꯃꯗꯨ ꯇꯥꯕꯗ ꯁꯥꯎꯃꯟꯈꯤꯗꯨꯅ ꯑꯃꯦꯔꯤꯀꯥꯟ ꯑꯣꯂꯤꯝꯄꯤꯛ ꯀꯝꯃꯤꯇꯤꯒꯤ ꯄ꯭ꯔꯁꯤꯗꯦꯟꯠ ꯑꯚꯦꯔꯤ- ꯕ꯭ꯔꯨꯟꯗꯦꯖꯒꯤ ꯀꯥꯗ ꯆꯠꯇꯨꯅ ꯊꯣꯡꯕꯒꯤ ꯑꯍꯣꯕ ꯑꯃꯗ ꯃꯍꯥꯛꯄꯨ ꯇꯥꯟꯊꯣꯛꯇꯅꯕ ꯋꯥꯀꯠꯂꯝꯃꯤ꯫ ꯑꯦꯁ ꯑꯦꯁ ꯃꯍꯥꯅꯠꯇꯥꯟꯅ ꯍꯦꯝꯕꯔꯒꯇ ꯊꯨꯡꯂꯕꯗ ꯃꯍꯥꯛꯄꯨ ꯇꯥꯟꯊꯣꯛꯄꯒꯤ ꯄꯥꯎ ꯑꯗꯨ ꯁꯟꯗꯣꯛꯂꯝꯃꯤ꯫ ꯑꯃꯦꯔꯤꯀꯥ ꯇꯤꯝꯒꯤ ꯃꯦꯝꯕꯔ ꯇꯪꯈꯥꯏ ꯑꯃ ꯍꯦꯟꯅ ꯃꯍꯥꯛꯄꯨ ꯇꯥꯟꯊꯣꯛꯄꯤꯗꯅꯕ ꯈꯨꯠꯌꯦꯛ ꯄꯤꯗꯨꯅ ꯋꯥꯀꯠꯂꯝꯃꯤ, ꯃꯍꯥꯛꯄꯨ ꯇꯥꯟꯊꯣꯛꯄꯤꯕ ꯑꯁꯤ ꯑꯃꯦꯔꯤꯀꯥꯗ ꯑꯃꯗꯤ ꯑꯇꯩ ꯂꯩꯕꯥꯛꯁꯤꯡꯗ ꯌꯥꯝꯅ ꯅꯨꯡꯉꯥꯏꯔꯝꯗꯦ꯫=

- ꯂꯩꯁꯥꯡꯊꯦꯝ ꯑꯖꯤꯠ -

ꯙꯥꯚꯤꯗ Julius ꯅ ꯅꯥꯕ ꯐꯥꯎꯍꯟꯕ ꯑꯁꯥꯕꯅ ꯑꯦꯛꯇꯤꯚꯦꯠ ꯇꯧꯔꯕ, ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜ TRPV1 ꯄꯨꯊꯣꯛꯅꯕꯒꯤꯗꯃꯛ ꯃꯣꯔꯣꯛꯇꯒꯤ ꯀꯦꯞꯁꯥꯏꯁꯤꯟ ꯁꯤꯖꯤꯟꯅꯈꯤ꯫ ꯃꯔꯤ ꯂꯩꯅꯕ ꯑꯇꯣꯞꯄ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜꯁꯤꯡꯕꯨ ꯃꯁꯛ ꯈꯪꯕ ꯉꯝꯈꯤ꯫ ꯇꯣꯉꯥꯟ-ꯇꯣꯉꯥꯟꯕ ꯑꯏꯪ-ꯑꯁꯥꯒꯤ ꯐꯤꯚꯝꯁꯤꯡꯅ ꯅꯚꯔꯁ ꯁꯤꯁꯇꯝꯗ ꯏꯂꯦꯛꯇ꯭ꯔꯤꯀꯦꯜ ꯁꯤꯒꯅꯦꯜꯁꯤꯡ ꯊꯣꯛꯍꯜꯂꯤ꯫

ꯃꯁꯛ ꯈꯪꯂꯕ ꯑꯥꯏꯑꯣꯟ ꯆꯦꯅꯦꯜꯁꯤꯡꯅ
ꯐꯤꯖꯤꯑꯣꯂꯣꯖꯤꯀꯦꯜ ꯄ꯭ꯔꯣꯁꯦꯁ ꯑꯃꯁꯨꯡ ꯗꯤꯖꯤꯖ
ꯀꯟꯗꯤꯁꯟ ꯀꯌꯥꯗ ꯂꯧꯔꯤꯕ ꯊꯧꯗꯥꯡꯗꯨ ꯎꯠꯄ꯫