

DON'T BE AN IDIOPHONE, . . .

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I. INTRODUCTION

A. Oginga Khimisi and the Beyond Infinity Drummers

B. Know your categories.

1. Aerophones
2. Chordophones
3. Membranophones
4. Idiophones

C. Victor-Charles Mahillon and the Musical Instrument Museum

D. Erich von Hornbostle & Curt Sachs in Journal of Ethnology, 1914

E. What is vibrating? The source of the sound waves.

1. Aerophones _____
2. Chordophones _____
3. Idiophones _____
4. Membranophones _____

F. Aerophones

1. Flutes: _____
2. Brass: _____
3. Reed Pipes: _____

G. Chordophones

1. Harps: _____
2. Lutes: _____
3. Lyres: _____
4. Musical Bows: _____
5. Zithers: _____

H. Idiophones: IDIO- (own, personal, distinct) -PHONE (sound)

1. Concussion _____
2. Percussion _____
3. Rattle _____
4. Scraper _____
5. Friction _____

I. Membranophones

J. Lamellaphones

K. Electrophones

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L. OPENING QUOTE

1. "Music is the universal language of mankind."
2. attributed to Henry Wadsworth Longfellow (1807-1882)
3. Or is it?
4. Musical Examples
 - a. Marrakech, Morocco (folk music with chordophone)
 - b. Bali 1 (Gamelan)
 - c. Bali 2 (Ramayana, Balinese Monkey Chant)

M. MUSICAL UNIVERSALS (*two internal musical yardsticks*)

1. Heartbeat
 - a. at rest
 - b. slower than
 - c. faster than
2. Voice
 - a. volume/dynamics (dynamo/siren)
 - b. range: high/low
 - 1) Mozart, Magic Flute, Queen of the Night
 - 2) Jerome Kern, Showboat, Ol' Man River
3. Physics: the overtone series and how things vibrate.
 - a. Kepler's Harmony of the Spheres (1619)
 - b. How strings vibrate
 - 1) sine
 - 2) square
 - 3) sawtooth
 - 4) triangle
 - 5) semisine
 - c. Sample Rate: wheels, strings, and strobes
 - d. How metal plates vibrate
 - e. The Overtone Series (harmonics, partials)

II. ----- INTERMISSION -----

III. A WORLD TOUR OF MUSICAL EXAMPLES

IV. QUESTIONS?