

MUSIC

The Intersections of Music and Water

- I. BASIC ELEMENTS OF MUSIC THEORY 20%
 - A. Sound and Music
 - 1. Definitions
 - a. Music Is Sound Organized in Time
 - b. Music of the Western World
 - 2. Physics of Musical Sound
 - a. Sound Waves
 - b. Instruments as Sound Sources
 - B. Pitch, Rhythm, and Harmony
 - 1. Pitch
 - a. Pitch, Frequency, and Octaves
 - b. Pitch on a Keyboard
 - c. Pitch on a Staff
 - d. Pitch on the Grand Staff
 - e. Overtones and Partial
 - f. Equal Temperament: Generating the Twelve Pitches by Dividing the Octave
 - g. Scales: Leading Tone, Tonic, Dominant
 - h. Intervals
 - i. Intervals of the Major Scale
 - j. Minor Scales and Blues Inflections
 - k. Melody Defined; Example, Using Scale Degrees
 - l. Contour
 - m. Range and Tessitura
 - 2. Rhythm
 - a. Beat
 - b. Tempo
 - c. Meter: Duple, Triple, and Quadruple
 - d. Rhythmic Notation
 - e. Time Signature
 - f. Simple and Compound Subdivision
 - g. Mixed and Irregular Meter
 - h. Syncopation
 - i. Polyrhythm
 - 3. Harmony
 - a. Common-Practice Tonality
 - b. Chords
 - i. Triads
 - ii. Inversions
 - c. Keys
 - i. Keys and Key Signatures

- ii. Hierarchy of Keys: Circle of Fifths
 - d. Harmonic Progression
 - i. Dissonance and Consonance
 - ii. Diatonic Triads
 - iii. The Dominant Triad's Special Role
 - iv. Bass Lines
 - v. The Dominant Seventh Chord
 - vi. Example: A Harmonized Melody
 - e. Other Diatonic Chords
 - f. Chromatic Harmonies and Modulation
 - g. Beyond Common Practice
- C. Other Aspects of Musical Sound
 - 1. Texture, Counterpoint, Instrumentation, More Timbre
 - 2. Dynamics, Articulation, Ornamentation
- D. Form in Music
 - 1. Perceiving Musical Form
 - 2. Elements of Form
 - a. Motive
 - b. Phrase
 - c. Cadence
 - d. Theme
 - e. Introduction and Coda
 - 3. Common Forms
 - a. Repetition
 - b. Variation
 - i. Theme and Variations
 - ii. 12-Bar Blues
 - iii. Improvisation
 - c. Contrast
 - i. Ternary and Rondo Forms
 - ii. 32-Bar Form
 - iii. Verse-Chorus Form
 - d. Development
 - i. Fugue
 - ii. Sonata Form
- E. Which Is the Real Music? Scores, Recordings, and Performance

II. RELYING ON WATER 18%

- A. Life (and Music) Underwater
- B. Instruments Need Water, Too
 - 1. From Around the World
 - a. Water Drums from Africa
 - b. Water Drums from the Americas
 - c. "Water Waves" and Glass Harps
 - d. Musical Glasses from Europe
 - 2. American-Made (But Not in America)

- a. The Mariannes and Mozart
- b. LISTENING COMPANION 1: *ADAGIO IN C FOR GLASS ARMONICA*, K. 356 (K⁶ 617A) (1791) – WOLFGANG AMADEUS MOZART
- 3. From the Ancients to the Moderns
 - a. The Hydraulis
 - b. The Water Organ
 - c. Joshua Stoddard and the Calliope
 - d. Steve Mann and the Hydraulophone
 - e. More Mann, Terje Isungset, and Ice Music
 - f. Tan Dun and the *Water Concerto*
- C. Water Workers
 - 1. Singing While A-Sail
 - a. The Allure of Sea Songs
 - b. Hauling via Shanties
 - c. LISTENING COMPANION 2: “HAUL AWAY THE BOWLINE” (16TH CENTURY?) – ANONYMOUS
 - 2. Working the Waterways
 - 3. Music for Passengers
 - a. Gondola! Gondola!
 - b. “The” Water Music
 - c. Floating Entertainment

III. WATER, CONTAINED 10%

- A. The Sound of Water: Fountains
 - 1. New Instrument = New Genre
 - 2. Picturing Water
 - 3. If It’s Ravel, It’s Swell
 - a. LISTENING COMPANION 3: *JEUX D’EAU* (1901) – MAURICE RAVEL
- B. The Sound of Water: Aquariums
 - 1. Saint-Saëns’s Love-Hate Relationship
 - a. LISTENING COMPANION 4: *THE CARNIVAL OF THE ANIMALS*, MVT. VII “AQUARIUM” (1886) – CAMILLE SAINT-SAËNS

IV. WATER, LESS RESTRAINED 10%

- A. The Sound of Water: Oceans
 - 1. The Symphonic Seas
 - 2. “Modern” Oceans
 - 3. Adding Aquatic Voices
 - 4. A Song for *All* Seas
 - a. LISTENING COMPANION 5: *A SEA SYMPHONY* (SYMPHONY NO. 1), MVT. I (EXCERPT) (1909) – RALPH VAUGHAN WILLIAMS
- B. The Sound of Water: Lakes
 - 1. Land of 10,000 Lakes
 - a. LISTENING COMPANION 6: *SYMPHONY: WATER MUSIC*, MVT. III “WAFTING” (1985) – LIBBY LARSEN

V. WATER WITH IDENTITY 18%

A. Water We Know: The Moldau

1. Two Names, One River

- a. LISTENING COMPANION 7: *MÁ VLAST*, “VLTAVA” (“THE MOLDAU”) (EXCERPT)
(1874) – BEDŘICH SMETANA

B. Water We Know: The Yellow River

1. Changing Directions

2. Water With (and Without) Words

- a. LISTENING COMPANION 8: *YELLOW RIVER PIANO CONCERTO*, MVT. 1 “PRELUDE:
THE SONG OF THE YELLOW RIVER BOATMAN” (1969) – XIAN XINGHAI; ARR. YIN
CHENGZONG ET AL.

C. Water We Know: The Mississippi

1. Making Musicals Meaningful

- a. LISTENING COMPANION 9: *SHOW BOAT*, “OL’ MAN RIVER” (1927) – JEROME KERN

D. Personifying Water

1. A Poetic Journey

- a. LISTENING COMPANION 10: *DIE SCHÖNE MÜLLERIN*, D. 795, No. 20 “DES BACHES
WIEGENLIED” (“THE BROOK’S LULLABY”) (1823) – FRANZ SCHUBERT

VI. WATER IN OTHER GUISES 12%

A. Music and Rain

1. Singing in the Rain
2. Rain in the Concert Hall
3. Stormy Weather

B. Music and Frozen Water

1. The Snowy Piano

- a. LISTENING COMPANION 11: *CHILDREN’S CORNER*, “THE SNOW IS DANCING” (1908)
– CLAUDE DEBUSSY

C. Music and Water Vapor

1. Knock Three Times
2. I Got S-S-Steam Heat

- a. LISTENING COMPANION 12: *THE PAJAMA GAME*, “STEAM HEAT” (1954) – RICHARD
ADLER

VII. WATER AS SYMBOL 12%

A. Symbolic Water: Patriotism

B. Symbolic Water: Religion

1. Remembering Baptism

- a. LISTENING COMPANION 13: *OLD AMERICAN SONGS*, SET II, “AT THE RIVER” (1952)
– ROBERT LOWRY; ARR. AARON COPLAND

C. Symbolic Water: The Underground Railroad

1. Text and Subtext
2. Salvation of Another Sort

- a. LISTENING COMPANION 14: “WADE IN THE WATER” (19TH CENTURY) –
ANONYMOUS; ARR. PAUL T. KWAMI