Lydia Ayers

Recordings:

On Compact Disks:

Virtual Gamelan, 2006, Albany Records, TROY874 (also at TF)
“Glassminute” on 60 x 60, A Slice of the Scene, 2007, Vox Novus, VN-001

On Phonograph Records:

“Glassminute” on Europe Endless, Ramco Records (1993)

Commissions:

details below

- Great Spirit Song (2006)
- Time’s Graffiti: Lucky Calligraphy (2006)
- Tala Malika Jak (2005)
- The Sand Child (1994)
- Hot Breath of Wind (1988)

Compositions by Instrumentation:

(Index by Instrumentation, Linked to Alphabetical List of Descriptions Below)

Wind, Strings, Percussion, Vocal, Computer Music

Wind Instruments:

Flute (and Piccolo, Alto Flute and Bass Flute):

- Ansikten (Piccolo/Flute/Alto Flute/Bass Flute solo)
- Burlesque (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
- Burlesque (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
- Burlesque (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)
- Calligraphy of Shadows
- Caprice in Marava (Alto Flute)
- The Chalky Desert Where Nothing Grows (with Soundscape)
- Dreams from the Shadow Lands (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
- Island of Marava
- Mountain of the Blue Wind (up to 16 Flutes: 8 C Flutes, 2 Piccolos, 4 Alto Flutes, 2 Bass Flutes and Soundscape)
• **Mountain of the Fire Wind** (solo Flute and Soundscape)
• **Ombres Chinoises** (Flute, Viola and Marimba)
• **Ombres de la Pluie et de la Neige** (Piccolo/Alto Flute solo)
• **Ombres des Nuages** (Flute/Alto Flute/Bass Flute solo)
• **Ombres du Feu** (2 Piccolos and Bassoon)
• **Ombres du Vent** (Flute duet)
• **Pearls** (Flute, Clarinet, Violin, Cello, Percussion)
• **Pearls** (Flute/alto flute/ceramic flute and Cello/rice bowls)
• **Photo** (Flute, Clarinet and Saxophone)
• **Shadow Calligraphy**
• **Suyun Gölçeleri** (Alto Flute)
• **Temple of the Dancing Cascade** (2 Flutes, 2 Bassoons and 2 Percussion)
• **Temple of the Fire-Wind** (9 Flutes)
• **Time’s Graffiti: Lucky Calligraphy** (Flute and Soundscape)
• **Wild Herons** (Flute duet with Soundscape)

**Native American Flute:**
• **Great Spirit Song** (Treble choir, optional Native American Flute and Soundscape)
• **Rock Art in the Dream World** (Native American flute, Didgeridoo and Soundscape)

**Chinese Flutes:**
• **Lips of Stone** (Xun and DVD Soundscape)
• **In the Throne Room of the Mountain Spirits** (Xun and Soundscape)
• **Ghost Shadow in Fragile Light** (Chinese flutes (Di, Xio, Xun and Paixiao), Erhu, Pipa, Zheng, Yangqin and Soundscape)
• **Ghost Shadow in the Fragile Light of Dawn** (solo for Chinese flutes (Di/Xun/Paixiao) and Soundscape)

**Tin Whistle:**
• **Belfast Botanical Birds** (Tin Whistle and Soundscape)

**Clarinet:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Fireflies** (Alto and Clarinet)
• **Ombres des Nuages**
• **Ombres des Feuilles, Ombres des Fleurs** (Clarinet, Bassoon, Marimba, Viola)
• **Pearls** (Flute, Clarinet, Violin, Cello, Percussion)
• **Photo** (Flute, Clarinet and Saxophone)

**Oboe:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Edges** (Oboe, Oboe d’amore, English horn and Bassoon quartet)

**Bassoon:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Edges** (Oboe, Oboe d’amore, English horn and Bassoon quartet)
• **Hot Breath of Wind**
• **Ombres des Feuilles, Ombres des Fleurs** (Clarinet, Bassoon, Marimba, Viola)
• **Ombres du Feu** (2 Piccolos and Bassoon)
• **Other Waters** (French Bassoon)
• **Temple of the Dancing Cascade** (2 Flutes, 2 Bassoons and 2 Percussion)

**Saxophone:**
• **Photo** (Flute, Clarinet and Saxophone)

**Trumpet:**
• **Eggs**
• **Portrait**

**Trombone:**
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)

**Didgeridoo:**
• **Rock Art in the Dream World** (Native American flute, Didgeridoo and Soundscape)

**String Instruments:**

**String Quartet:**
• **Dangerous Places**
• **In the Throne Room of the Mountain Gods**

**Violin:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)
• **Butterfly Stir Fry** (violin and Soundscape)
• **Eastern Bagatelles**
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Pearls** (Flute, Clarinet, Violin, Cello, Percussion)

**Viola:**

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)

• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)

• **Ombres Chinoises** (Flute, Viola and Marimba)

• **Ombres des Feuilles, Ombres des Fleurs** (Clarinet, Bassoon, Marimba, Viola)

**Cello:**

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)

• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)

• **Pearls** (Flute, Clarinet, Violin, Cello, Percussion)

• **Pearls** (Flute/alto flute/ceramic flute and Cello/rice bowls)

**Bass:**

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)

• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)

**Guitar:**

• **Étude Détempérée**

**Harp:**

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)

• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)

• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)

**Pipa:**

• **Ghost Shadow in Fragile Light** (Chinese flutes (Dizi, Xiao, Xun and Paixiao), Erhu, Pipa, Zheng, Yangqin and Soundscape)

**Zheng:**

• **Ghost Shadow in Fragile Light** (Chinese flutes (Dizi, Xiao, Xun and Paixiao), Erhu, Pipa, Zheng, Yangqin and Soundscape)

**Erhu:**
• **Butterfly Stir Fry** (*Erhu* and Soundscape)
• **Ghost Shadow in Fragile Light** (Chinese flutes (*Dizi, Xiao, Xun* and *Paixiao*), *Erhu, Pipa, Zheng, Yangqin* and Soundscape)

**Yangqin:**
• **Ghost Shadow in Fragile Light** (Chinese flutes (*Dizi, Xiao, Xun* and *Paixiao*), *Erhu, Pipa, Zheng, Yangqin* and Soundscape)

**Percussion:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass)
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Ombres Chinoises** (Flute, Viola and Marimba)
• **Ombres de la Lune** (Helix Song)
• **Ombres des Étoiles** (Percussion duet)
• **Ombres des Feuilles, Ombres des Fleurs** (Clarinet, Bassoon, Marimba, Viola)
• **Ombres des Toiles d'Araignées** (Marimba)
• **Pearls** (Flute, Clarinet, Violin, Cello, Percussion)
• **Temple of the Dancing Cascade** (2 Flutes, 2 Bassoons and 2 Percussion)
• **Theme and Improvisations for Woodstock Gamelan** (Woodstock Gamelan)

**Gamelan:**
• **Merapi** (Gamelan and Soundscape)

**Harpsichord:**
• **Burlesque** (Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass)
• **Burlesque** (Nonet: Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass)

**Vocal:**

**Alto/Mezzo Soprano:**
• **Another Victim Found in Rubble** (Alto solo)
• **Fireflies** (Alto and Clarinet)
• **The Sand Child** (Mezzo-Soprano and Soundscape)

**Choir:**
• **Dreams from the Shadow Lands** (2 Sopranos, 2 Altos, 2 Tenors, 2 Basses and Soundscape)
• **Dreams from the Shadow Lands** (Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass)
• **Great Spirit Song** (Treble choir, optional Native American Flute and Soundscape)

**Computer Music:**
• **Ah**
• **Appetizer**
• **Balinese**
• **Belfast Botanical Birds** (Tin Whistle and Soundscape)
• **Bioluminescence**
• Brassoufflé
• Butterfly Stir Fry (Erhu or Violin and Soundscape)
• CatJak
• The Chalky Desert Where Nothing Grows (with Soundscape)
• Companion of Strange Intimacies
• Deep Structure of Chinese Culture
• Dreams from the Shadow Lands (2 Sopranos, 2 Altos, 2 Tenors, 2 Basses and Soundscape)
• Electronic: Humorous, Tense and Suite
• Faraway Voices
• Five Spice Rice
• Ghost Shadow in Fragile Light (Chinese flutes (Dizi, Xiao, Xun and Paixiao), Erhu, Pipa, Zheng, Yangqin and Soundscape)
• Ghost Shadow in the Fragile Light of Dawn (solo for Chinese flutes (Dizi/Xun/Paixiao) and Soundscape)
• Ghost Winds Talking
• Glass-chi
• Glassminute
• Great Spirit Song (Treble choir, optional Native American Flute and Soundscape)
• In the Throne Room of the Mountain Spirits (Xun and Soundscape)
• Kaleidoscope
• Lips of Stone (Xun and DVD Soundscape)
• Live and in ... PURPLE
• Merapi (Gamelan and Soundscape or Soundscape without gamelan)
• Mountain of the Blue Wind (up to 16 Flutes: 8 C Flutes, 2 Piccolos, 4 Alto Flutes, 2 Bass Flutes and Soundscape)
• Mountain of the Fire Wind (solo Flute and Soundscape)
• Nineteen
• Nostalgia Strata
• Pate
• Pendopos
• Prime
• Prime Gongs
• Rock Art in the Dream World (Native American flute, Didgeridoo and Soundscape)
• The Sand Child (Mezzo-Soprano and Soundscape)
• Tala Malika Gongs
• Tala Malika Jak
• Time’s Graffiti: Lucky Calligraphy (Flute and Soundscape)
• Why Ask Questions
• Wild Herons (Flute duet with Soundscape)
• Yazi’s Dream

Miscellaneous:

• French Curves (any solo instrument)

Alphabetical Index of Compositions:

Ah (1993) - Soundscape (3:55 minutes) [algorithmically-generated tape of Andrew Horner's voice, processed using adsyn, linear predictive coding, comb filters and some synthesized sounds]
**Another Victim Found in Rubble** (1986) - Alto (solo) (7 minutes) [dramatic piece about a bag lady, with extended vocal techniques]

**Ansitken** (1975) - Alto flute/Piccolo/Bass flute/Flute solo (9:49 minutes) [four lyrical movements representing the faces of water, fire, earth and wind] **CN FW TF**

**Appetizer** (1995) - Soundscape (1:00 minute) [microtonal; algorithmically composed in slendro using the flute design with multi-effect processing from *Cooking with Csound* and the Woodstock Gamelan; on *Virtual Gamelan* CD] [tuning chart]

**Balinese** (1993) - Soundscape (3:00 minutes) [microtonal; uses a variety of Balinese tunings generated with an algorithm in a quasi-Balinese style; on *Virtual Gamelan* CD]

**Belfast Botanical Birds** (2008) - Tin Whistle and Soundscape (5:22 minutes) [accompanied by synthesized dream birds and recorded real birds, people and dogs]

**Bioluminescence** (1990) - Soundscape (7:00 minutes) [silvery; uses Indian tunings and Partch tunings up to the 23-limit; on *Virtual Gamelan* CD]

**Brassoufflé** (1995) - Soundscape (3:17 minutes) [microtonal; algorithmically generated; uses brass designs (trumpet, trombone, horn and tuba with various mutes) with multi-effect processing from *Cooking with Csound* using a utonality of 19.] [tuning chart]

**Burlesque** (1973/2009) - Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harp, Marimba/Vibraphone, Timpani, Violin 1, Violin 2, Viola, Cello and Bass (6 minutes) [burlesque]

- **Burlesque** (1973/2008) - Chamber Orchestra: Flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin 1, Violin 2, Viola, Cello and Bass (6 minutes) [burlesque]
- **Burlesque** (based on Scene I from *La Ronde*, by Arthur Schnitzler) (1973) - Flute, Alto flute, Oboe, Clarinet, Bassoon, Harpsichord, Violin, Viola and Bass (6 minutes) [burlesque]

**Butterfly Stir Fry** (2005) - Erhu (Chinese two-string fiddle) or Violin and computer music soundscape (6:15 minutes) [accompanied by processed recordings from *Madama Butterfly* and other recordings about butterflies, and synthesized Chinese instruments; inspired by Chuang Tzu’s famous Taoist dream about whether he was a butterfly; the premiere was performed on the violin.]

**Calligraphy of Shadows** (2008) - Flute (2:20 minutes) [slow, reflective prelude using a collage of various snippets from the slow movements of my other flute music]

**Caprice in Marava** (1982) - Alto Flute (5:20 minutes) [modal and lyrical; computer music accompaniment added in 2006, including a virtual gamelan] **CN FW**

**CatJak** (2005) - Soundscape (4:25 minutes) [a sequel to *Tala Malika Jak*, inspired by Indonesian kecak, uses cat samples and a few birds, dogs and monkeys; on *Virtual Gamelan* CD]

**The Chalky Desert Where Nothing Grows** (1991/2006) - Flute and Soundscape (4:48 minutes) [slow; uses microtones and multiphonics; soundscape includes synthesized didgeridoo] **CN FW**

**Companion of Strange Intimacies** (1990) - Soundscape (2:41 minutes) [microtonal; on *Virtual Gamelan* CD]
Dangerous Places (1985) - String Quartet (12 minutes) [concise, "photographic" movements, with a strange tension with lyricism]

Deep Structure of Chinese Culture (1996) installation version of Why Ask Questions - Soundscape (30:00 minutes) [microtonal; algorithmically composed adding multi-effect processing to Chinese voices and Chinese computer instrument designs for dizi, xiao, erhu, pipa and gong; commissioned by Danny Yung for a Zuni Icosahedron installation art exhibition in February 1996]

Dreams from the Shadow Lands (1994) - 2 Sopranos, 2 Altos, 2 Tenors, 2 Basses and Soundscape (20 minutes) [environmental text with extended vocal techniques using processed environmental sounds and algorithmically-generated synthesized sounds; tuning systems include a 13-tone equal temperament and just tunings of a 13-intonality and a 12-intonality]

• Dreams from the Shadow Lands (1985) - Soprano, Alto, Tenor, Bass, Flute, Clarinet, Oboe, Bassoon, Trombone, Harp, 2 Percussion, Violin, Viola, Cello and Bass (25 minutes) [environmental text with extended vocal techniques]

Eastern Bagatelles (1982) - Violin (4 minutes) [short, lyrical movements inspired by one of my youthful romantic poems, with melodic modes, textures and rhythms in the seven short bagatelles inspired by Asian musical flavors.] TF

Edges (1988) - quartet for Oboe, Oboe d’amore, English horn and Bassoon (7 minutes) [microtonal and uses multiphonics]

Eggs (1975) - Trumpet (7 minutes)

Electronic: Humorous, Tense and Suite (1993) Soundscape (15:41 minutes) [suite of Companion of Strange Intimacies, Glassminute, Prime, Balinese and Bioluminescence]

Étude détempérée (1986) - Guitar (6 minutes) [microtonal piece, played on the fretboard]

Faraway Voices (1984/2003) (5:30 minutes) Soundscape [two voice-like studies (5:00 and 7:00 minutes), created on the Buchla analog system at California Institute of the Arts; remixed into one piece in 2003]

Fireflies (1987) - Alto and Clarinet (8 minutes) [settings of seven very short poems by Rabindranath Tagore, with a few clarinet multiphonics. The sonorities of the alto and clarinet and their ornamentation transform each section of Fireflies with delicate colors and textures of sound much as the colors of lights from fireflies at night.] TF

Five Spice Rice (1995) - Soundscape (3:46 minutes) [microtonal; algorithmically composed using five 13-tone scales (13-tone equal temperament, 13-intonality, 13-intonality, Mayumi and inversion of Mayumi), with the saxophone and trombone designs with multi-effect processing from Cooking with Csound, and soprano, crystal flutter and crystal bell designs] [tuning chart]

French Curves (1985) - any solo instrument (30 seconds) [humorous one-page graphic piece; some techniques are more characteristic of string instruments]

Ghost Shadow in the Fragile Light of Down (1999/2007) - solo for Chinese flutes (dizi/xun/paixiao) and Soundscape (8:00 minutes) [fragile sounds in the recording create a strange illumination surrounding a shadow orchestra from east and west]

• Ghost Shadow in Fragile Light (1999) - Chinese flutes (Dizi, Xiao, Xu and Paixiao), Erhu, Pipa, Zheng and Yangqin and computer music soundscape (11 minutes) [in just intonation]
**Ghost Winds Talking** (2007) - Soundscape *(5:02 minutes)* [based on the melodic wind whistling across the edge of the bathroom window like a giant flute]

**Glass-chi** (1993) - Soundscape *(11 minutes)* [uses computer processing of a rubbed crystal glass sound and synthesized glass and voice sounds; the word "glass-chi" means glass energy]

**Glassminute** (1992) - Soundscape *(1:00 minute)* [uses linear predictive coding analysis of a rubbed crystal glass sound; gets transformations of the timbre into male vocal sound by transposition into very low register; on 60 x 60, *A Slice of the Scene* and on *Deep Wireless 5*]

**Great Spirit Song** (2006) - for Treble Choir, optional Native American Flute and Soundscape *(8:56 minutes)* [setting of a native American prayer to the Great Spirit in pentatonic scales of four native American flutes; this piece has five short sections, honoring the Spirits of the North, East, South and West and concluding with the Earth and Sky together. The soundscapes include synthesized additional native American flutes and drums, and birds and animals from the locations in the sections; commissioned by the Hong Kong Composers’ Guild.] [FW]

**Hot Breath of Wind** (1988) - Bassoon *(20 minutes)* [virtuosic; microtonal, using 11 Indian ragas and many multiphonics; commissioned by April Chapman; computer-generated version using Csound model of bassoon in 1997]

**In the Throne Room of the Mountain Spirits** (1987/2007) - *Xun* and Soundscape *(6:10 minutes)* [includes a virtual Chinese orchestra morphing to spirit-voices]

- **In the Throne Room of the Mountain Gods** (1987) - String Quartet *(7 minutes)* [virtuosic; microtonal, Partch system to the 11-limit]

**Island of Marava** (1983) - Flute *(4:11 minutes)* [lyrical, inspired by the Indian raga *Marava*, mildly microtonal, contains easy multiphonics] [CN FW TF]

**Kaleidoscope** (1995) - Soundscape *(4:03 minutes)* [microtonal; pitch and timbre algorithmically generated using a random walk on two sets of intervals. In the last section, the scale array forms an *otonality* microtonal scale (part of an overtone series).] [tuning chart]

**Last Cry of the Wild Herons** - see *Wild Herons*

**Lips of Stone** (2008) - *Xun* in D and DVD soundscape *(2:46 minutes)* [accompanies by poem, recorded birds and DVD of Bryce Canyon images; we all know the story of the birds and the bees ... interesting how close bird sounds can come to human sounds... ]

**Live and in ... PURPLE** (2009) - Soundscape *(9:40 minutes)* [Even in my earliest memories, my mother wore only one color, purple. When she was 80, we recorded a tapestry of stories about her life, from the story of purple, to the mischief she got into as a girl, through her romances, children, poetry, involvement in the environmental movement and love of cooking. In the background, the clock marked time at striking moments as she spoke.]

**Merapi** (1995) - for Gamelan and Soundscape or Soundscape without Gamelan *(15:00 minutes)* [microtonal; algorithmically-generated; the computer uses and inflects the *slendro* and *pelog* tunings of the live gamelan, if the tuning information is available; on *Virtual Gamelan* CD] [tuning chart]
**Mountain of the Blue Wind** (1989/2006) - up to 16 flutes: 8 C Flutes, 2 Piccolos, 4 Alto Flutes, 2 Bass Flutes, accompanied by a Soundscape (7:13 minutes) [virtuosic; dramatic microtonal piece using intense multiphonics, buzz tones and other extended flute techniques]

- **Mountain of the Fire Wind** (2006) - solo Flute version of *Mountain of the Blue Wind*, with 16 synthesized flutes in a computer music soundscape (7:13 minutes) [virtuosic; dramatic microtonal piece using intense multiphonics, buzz tones and other extended flute techniques]


**Nineteen** (1994) - Soundscape (3:20 minutes) [algorithmically generated, using a nineteen-tone-per-octave utonality microtonal scale]

**Nostalgia Strata** (1995) - Soundscape (formerly called *Ginger Gypsy Soup*) (5:13 minutes) [microtonal; algorithmically composed adding multi-effect processing to veil the quotations from Bach, Berlioz, Debussy, Dukas, Dvorak, Mahler, Strauss and Stravinsky which illustrate the woodwind and brass designs in *Cooking with Csound*]

**Ombres Chinoises** (1974) - Flute, Viola and Marimba (8 minutes) [I, from *Ombres Délicates* group]

**Ombres de la Lune** (1977) - Helix Song (12 minutes) (The Helix Song is a microtonal percussion instrument invented by Erv Wilson, made of tuned electrical pipes) [computer-generated version in 1998; on Virtual Gamelan CD] [VI, from *Ombres Délicates* group]

**Ombres de la Pluie et de la Neige** (1977) - Piccolo/Alto Flute (5:09 minutes) [X, from *Ombres Délicates* group, piccolo in the atonal fast first section (the pattering of the Rain) and alto flute in the modal slow second section (the slow flakes of Snow)]

**Ombres des Étoiles** (1977) - Percussion duet (5 minutes) [VII, from *Ombres Délicates* group]

**Ombres des Feuilles, Ombres des Fleurs** (1977) - Clarinet, Bassoon, Marimba, Viola (2 minutes) [VII, from *Ombres Délicates* group, modal]

**Ombres des Nuages** (1976) - (7:30 minutes) [V, from *Ombres Délicates* group. The contrasting colors used in this piece suggest clouds and the shadows they cast on the ground.]

- 1976 version for clarinet in Bb TF
- 2007 version for flute/alto flute/bass flute FW

**Ombres des Toiles d'Araignées** (1977) - Marimba (4 minutes) [III, from *Ombres Délicates* group, whimsical; on Virtual Gamelan CD]

**Ombres du Feu** (1977) - 2 Piccolos and Bassoon (2 minutes) [II, from *Ombres Délicates* group. In this short humorous piece, small melodic cells continually shift their accents in swirling cross rhythms as the two piccolos flicker like fiery shadows around the bassoon.]

**Ombres du Vent** (1976) - Flute duet (3:45 minutes) [IX, from *Ombres Délicates* group. Microtonal differences between close harmonics in the Moderato section cause audible difference tones. The Allegro Assai is a lilting and syncopated section in changing, asymmetrical meters. The Slow section seems to conclude with a sigh]

**Other Waters** (1986) - French Bassoon (7 minutes) [microtonal, contains multiphonics]

**Paté** (1995) - Soundscape (2:42 minutes) [just intonation chorale using brass designs (trumpet, trombone, horn and tuba with various mutes) from *Cooking with Csound*; six versions, each
tuned differently: two versions in just intonation, one in pelog, one in meantone, one in 12-tone equal temperament and one in 26-tone equal temperament]

**Pearls** (1991) - Flute, Clarinet, Violin, Cello, Percussion *(10 minutes)* [virtuosic; microtonal with multiphonics and other extended techniques]

- **Pearls** (1984) - Flute/Alto Flute/Ceramic Flute and Cello/Rice Bowls *(10 minutes)* [virtuosic; microtonal with flute multiphonics, extended cello techniques and some extended vocal techniques]

**Pendopos** (2000) - Soundscape *(4:26 minutes)* [in just intonation in gamelan style using Woodstock gamelan, Risset gongs and birds recorded in Bali; on *Virtual Gamelan* CD]

**Photo** (1986) - Flute, Clarinet and Saxophone *(5-10 minutes)* [performers choose from four to seven of a group of short variations with optional doubling; all parts contain multiphonics; difficulty of variations ranges from easy to virtuosic]

**Portrait** (1986) - Trumpet *(10 minutes)* [virtuosic; contains overtone-based multiphonics and vocal articulations]

**Prime Gongs** (2006) - Soundscape *(2:15 minutes)* [uses prime number ratios in gong and glide instruments; gets transformations of the timbre from inharmonic relationships and registral change; this new version of *Prime* uses gong timbres in place of plucked timbres; on *Virtual Gamelan* CD]

- **prime** (1992) - Soundscape *(2:00 minutes)* [uses prime number ratios in pluck and glide instruments; gets transformations of the timbre from inharmonic relationships and registral change]

**Rock Art in the Dream World** (2007) - Native American flutes (high and low E), *Didgeridoo* in E and Soundscape *(7:56 minutes)* [with synthesized alter egos of the two performers, and real and synthesized birds and rock tapping]

**The Sand Child** (1994) - solo opera for Mezzo-soprano Isabel Ganz and Soundscape *(35 minutes)* [adaptation of novel *The Sand Child* by Tahar ben Jelloun; microtonal, using Arabic tunings; commissioned by Isabel Ganz]

**Scene 1** (see *Burlesque*)

**Shadow Calligraphy** (2008) - Flute *(1:20 minutes)* [flashy, encore-style collage of various snippets from the fast movements of my other flute music]

**Suyun Gölgeleri** (1976) - Alto Flute solo *(4:23 minutes)* [VIII, from *Ombres Délicates* group, lyrical, in a Middle Eastern mode] **CN FW**

**Tala Malika Gongs** (2006) - Soundscape *(6:40 minutes)* [inspired by Indonesian *kecak*, but uses Indian and Middle Eastern rhythms; where the *Tala Malika Jak* version of this piece emphasized the rhythms of vocal samples, this new gong version emphasizes the pitches derived from the vocal samples in the earlier version; on *Virtual Gamelan* CD]

**Tala Malika Jak** (2005) - Soundscape *(6:40 minutes)* [inspired by Indonesian *kecak*, uses *cak* samples in Indian and Middle Eastern rhythms; commissioned by South Indian Dancer Siri Rama; on *Virtual Gamelan* CD]

**Temple of the Fire-Wind** - (see *Mountain of the Blue Wind*)
**Temple of the Dancing Cascade** (1982) - 2 Flutes, 2 Bassoons and 2 Percussion *(12 minutes)*

**Theme and Improvisations for Woodstock Gamelan** (1992) - Woodstock Gamelan *(5-20 minutes)*
[improvisations using quasi-Balinese themes; 9-minute computer-generated version (1998) using Csound model of Woodstock Gamelan; on Virtual Gamelan CD]

**Time’s Graffiti: Lucky Calligraphy** (2006) - Flute and Soundscape *(5:10 minutes)* [Petroglyphs, The Dancing Figure, Blue Rain, Raining on the Dancing Figure; multiphonics, middle eastern and blues; commissioned by The National Flute Association, Inc.] **CN FW**

**Why Ask Questions** (1996) - concert version of (and formerly called) **Deep Structure of Chinese Culture** for Soundscape *(9:00 minutes)* [microtonal; algorithmically composed adding multi-effect processing to Chinese voices and Chinese computer instrument designs for *dizi*, *xiao*, *erhu*, *zheng* and *qing*] [tuning chart]

**Wild Herons** (1971/2008) - Flute duet and Soundscape *(8:33 minutes)* **FW**
• 1971 version under the title *Last Cry of the Wild Herons* *(6 minutes)*

**Yazi’s Dream** (2003) - Soundscape *(7:00 minutes)* [cat accompanied by birds, environmental sounds and synthesized Chinese flutes (*dizi*, *xiao*, *xun* and *paixiao*) and percussion (Buddha gongs and *qing*) in just intonation]

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