

Overview of the Knight System for Musical Instrument Classification

Y Idiophones

Y1 Concussion

1 Plaque

2 Bar

3 Dish

4 Vessel

Y2 Struck

1 Plaque

2 Bar

3 Vessel

Y3 Stamped

1 Solid

2 Globe

3 Tube

4 Split

Y4 Shaken

1 Vessel

2 Sliding

3 Sheet

4 Concussion

5 Sympathetic

Y5 Scraped

1 Organic

1 Wood

2 Gourd

2 Manufactured

1 Metal

2 Cloth

3 Sandpaper

Y6 Friction

1 Solid

2 Vessel

Y7 Plucked

1 Frame

2 Board

Y8 Blown

M Membranophones

M1 Struck

1 One head, open

1 Vessel

2 Frame

2 One head, closed

1 Deep

2 Shallow

M13 Two heads

1 Vessel

2 Frame

M2 Shaken

1 Opposed hemispheres

2 Hourglass

3 Frame

M3 Friction

1 One head

2 Two heads

M4 Sympathetic

C Chordophones

C1 Variable tension

1 No neck

2 Single neck

3 Forked neck

C2 Musical bow

1 Mouth resonated

2 Gourd resonated

C3 Pluriarc or bow-lute

C4 Harp

1 Strings-over

1 Forked

2 Spike

1 Curved neck

2 Straight neck

(Bridge harp)

2 Strings-in

1 Arched

2 Angled

C5 Zither

1 Stick

2 Tube

3 Raft

4 Trough

5 Box

6 Harp zither

7 Frame

C6 Lute

1 Plucked

1 One piece

2 Multi-part

2 Bowed

1 One piece

2 Multi-part

C7 Lyre

A Aerophones

A1 Ambient air

1 Beating

2 Slicing

3 Ribbon

A2 Enclosed

1 Flute

1 Vessel flute

1 No duct

2 Duct

3 Duct + chamber

2 Vertical flute

1 No duct

2 Duct

3 Oblique flute

4 Transverse flute

5 Double-layer whistle

2 Reed

1 Free (hard) reed

1 Mouth blown

2 Bellows blown

3 Transverse

2 Beating (soft) reed

1 Conical bore

1 Single reed

2 Double reed

2 Cylindrical bore

1 Single reed

2 Double reed

3 Multiple reed

3 Horn (lip-reed)

1 Limited register

1 Fixed length

2 Variable length

2 Multiple register

1 Fixed length

2 Variable length

1 Fingerhole

2 Slide

3 Valve

4 Corrugated pipe

1 Twirled

2 Blown

A3 Plosive aerophone

1 Open

2 Enclosed