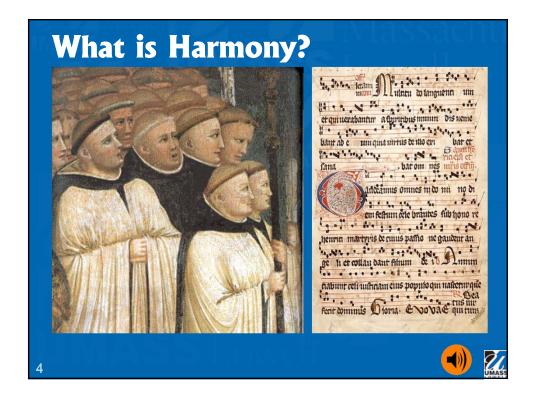


Wadderwee Gonna Talkabout?

- 1. What harmony is, and the chord and song structures that underlie barbershop style
- How intervals work, differences between tuning standards, and why perfectly sung chords "ring"
- 3. The development of close harmony and the founding of our Society and the ladies' two
- 4. A barbershop smorgasbord demonstrating the wide variety of barbershop music today
- 5. The camaraderie we share in the BHS

"Let's get goin', right away!"







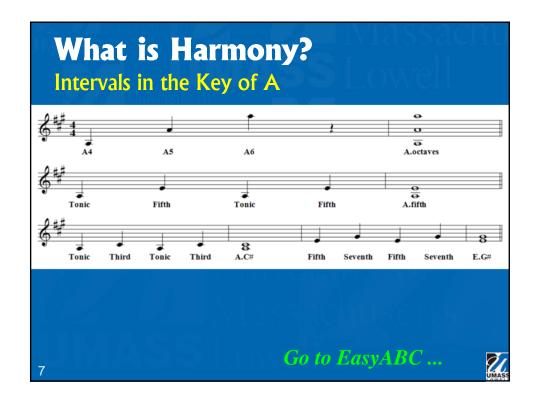
What is Harmony?

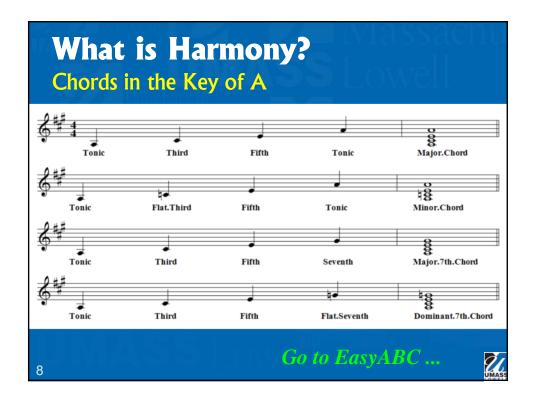
- Monophonic
 - parts sung in unison
- Homophonic
 - parts move together, but on different notes
 - "chordal" music
- Polyphonic
 - each part has melodic interest on its own and a distinctive rhythm

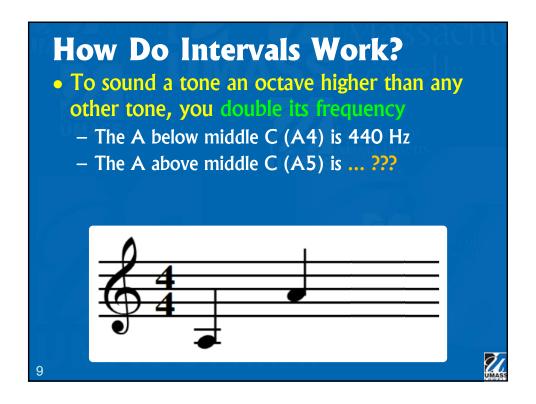
http://www.medieval.org/emfaq/misc/homophony.html

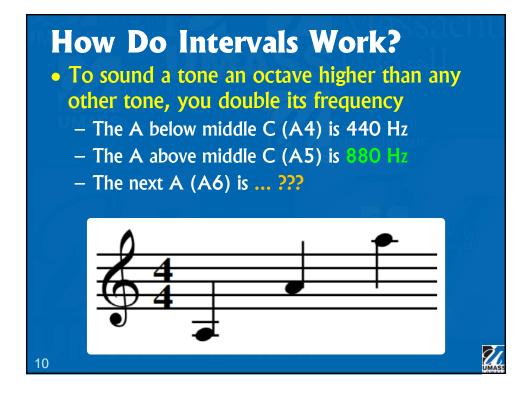
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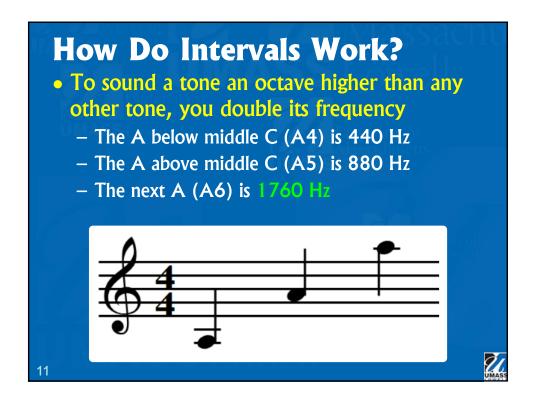
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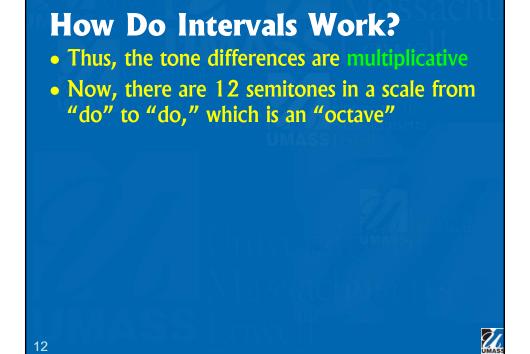












How Do Intervals Work?

- Thus, the tone differences are multiplicative
- Now, there are 12 semitones in a scale from "do" to "do," which is an "octave"
- If we set the ratio of the lower tone to 1 and the upper tone to 2, you would think that the ratio difference between each tone would be ... ???

13



How Do Intervals Work?

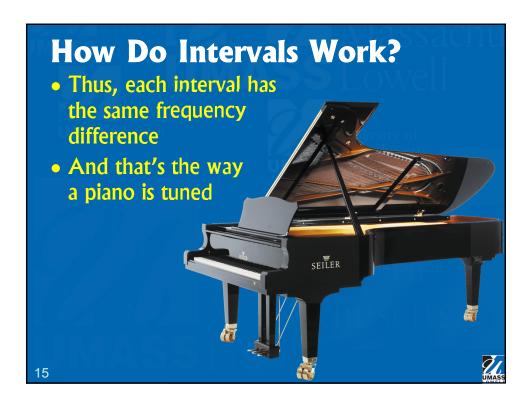
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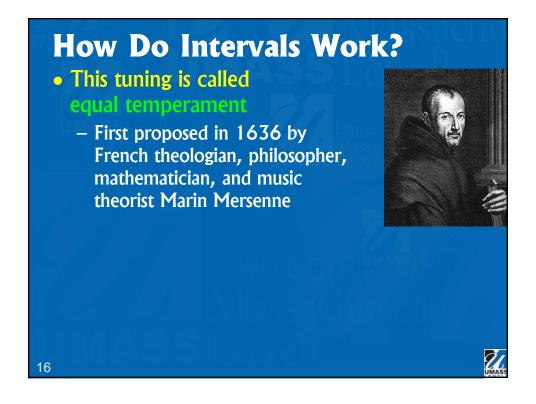
 $\sqrt[12]{2}$

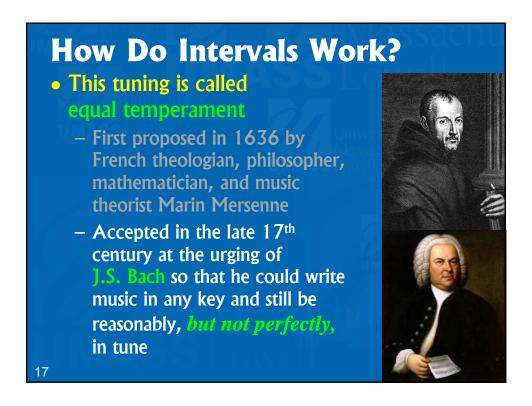
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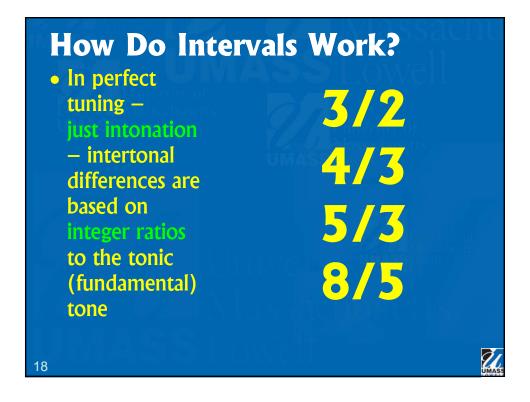
http://www.nhv.mtu.edu/~suits/scales.htm



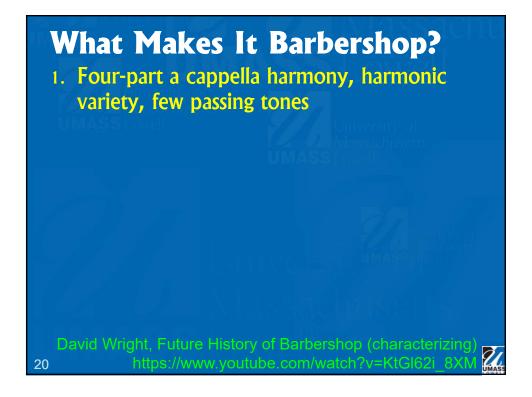








How Do Intervals Work?				
• In perfect	Interval	Just Intonation Ratio		Equal Temp. Ratio
tuning –	Unison	1	1.00000	1.00000
just intonation	Minor Second	25/24	1.04167	1.05946
	Major Second	9/8	1.12500	1.12246
intertonal	Minor Third	6/5	1.20000	1.18921
differences are	Major Third	5/4	1.25000	1.25992
based on	Fourth	4/3	1.33333	1.33483
	Diminished Fifth	45/32	1.40625	1.41421
integer ratios	"Perfect" Fifth	3/2	1.50000	1.49831
to the tonic	Minor Sixth	8/5	1.60000	1.58740
(fundamental)	Major Sixth	5/3	1.66667	1.68179
	Minor Seventh	9/5	1.80000	1.78180
tone	Major Seventh	15/8	1.87500	1.88775
HIM Acc	Octave	2	2.00000	2.00000
19 http://www.phy.mtu.edu/~suits/scales.html				



What Makes It Barbershop?

- 1. Four-part a cappella harmony, harmonic variety, few passing tones
- 2. Melody in second tenor, first tenor above, bass usually solid chord tones, baritone fill

David Wright, Future History of Barbershop (characterizing https://www.youtube.com/watch?v=KtGl62i_8XI

MAS

What Makes It Barbershop?

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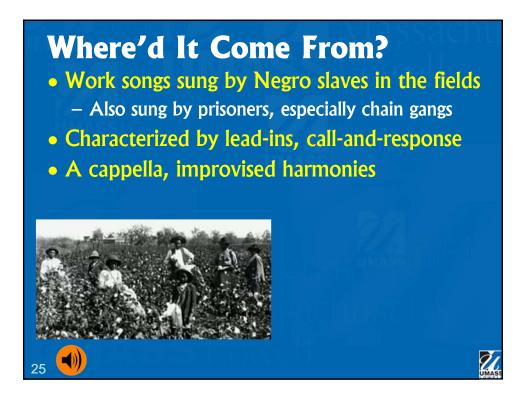
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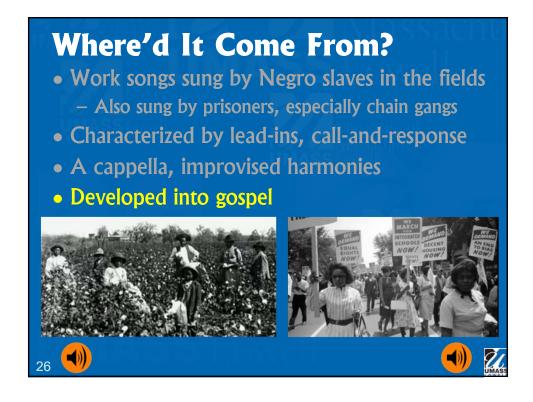
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- 4. Freedom with the song
- 5. Chords tuned to lock and ring
 - just intonation

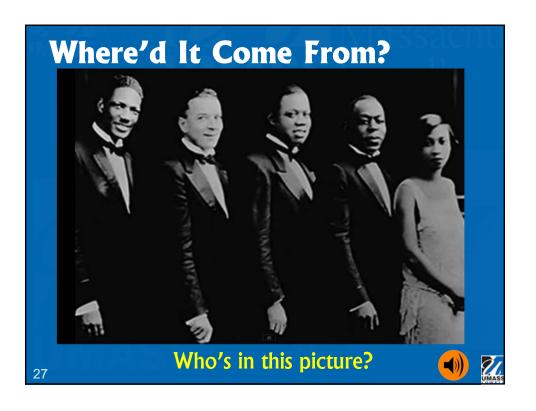
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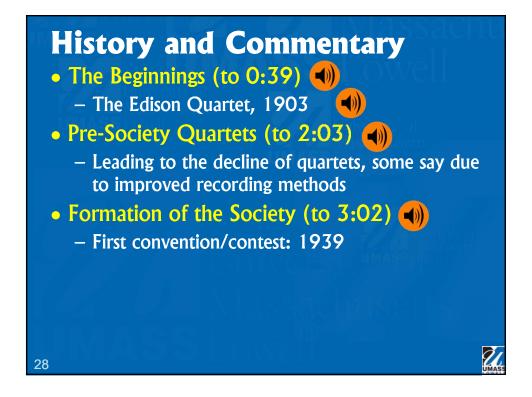
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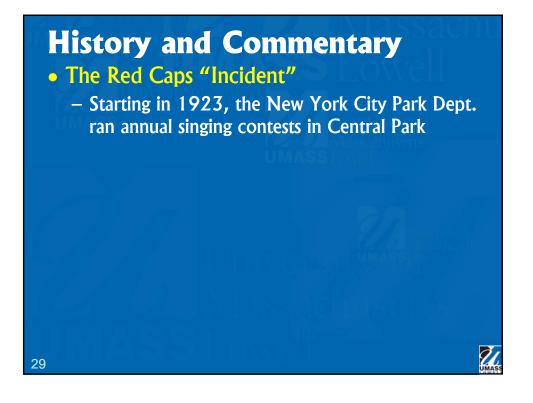


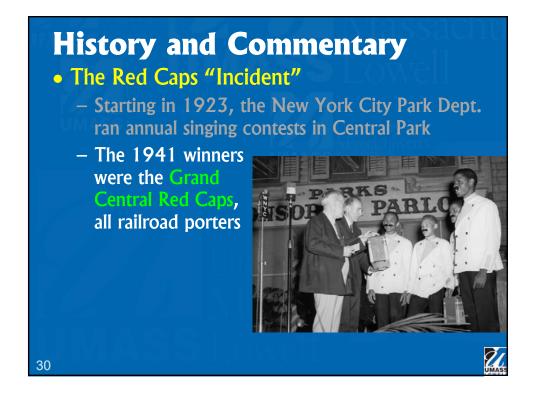












History and Commentary

- The Red Caps "Incident"
 - Starting in 1923, the New York City Park Dept.
 ran annual singing contests in Central Park
 - The 1941 winners were the Grand Central Red Caps, all railroad porters
 - Mayor La Guardia wanted them to enter in that year's Society contest





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History and Commentary

- O.C. Cash, the society's founder, refused
 - Now, of course many organizations practiced discrimination in those days
- Note the irony, given the music's roots
- Result: Protests and Society resignations
 - Al Smith, NY governor & presidential candidate
 - Robert Moses, the NYC Park Commissioner

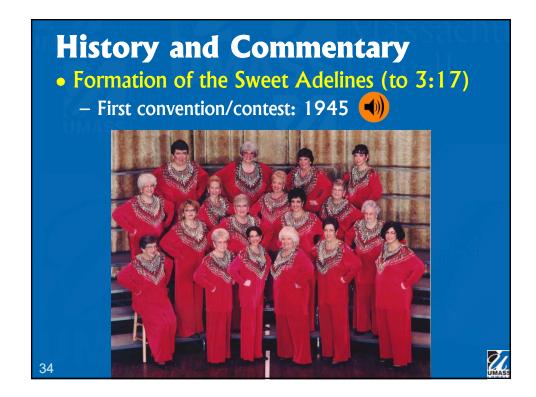


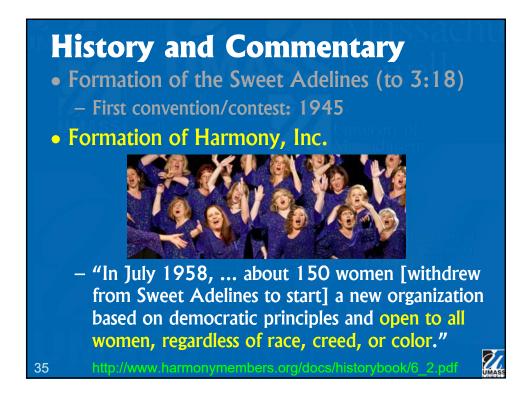
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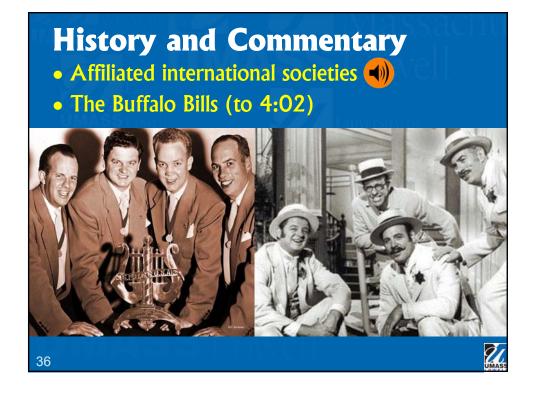
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- The Society excluded blacks until 1963, when the convention was held in Toronto and the province of Ontario threatened to prohibit it if discrimination continued









History and Commentary

- Affiliated international societies
- The Buffalo Bills (to 4:02)
 - 1,510 performances on Broadway
 - 1 major motion picture
 - 728 concerts
 - 675 radio shows
 - 672 club & hotel appearances
 - 626 conventions
 - 216 television shows
 - 137 state fair performances
 - 15 record albums

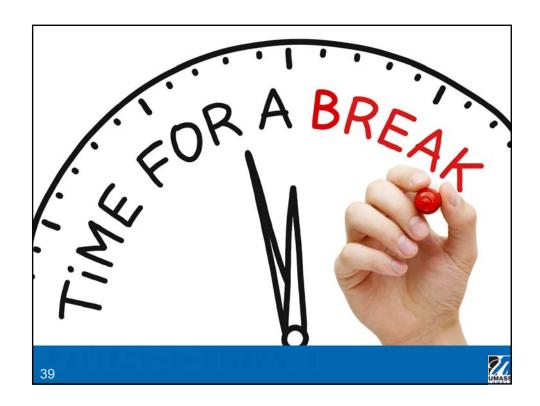


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History and Commentary

- Formation of choruses and more
 - First official chorus contest in 1954
- Collegiate and Senior Quartet Contests







Barbershop Smorgasbord

- Buffalo Bills, 1950 Int'l Quartet Champions
 - "Singing is just sustained talking."
 - https://youtu.be/nO0DFttQolc#t=55
 - "Ice Cream" and "Sincere"
- Classics as Sung in Contests
 - Old School, 2011 Int'l Quartet Champions
 - https://youtu.be/uRu3CZfteyY#t = 20
 - "Little Town in the Old County Down" and "I Want a Girl" (at 4:10)
 - Realtime, 2005 Int'l Quartet Champions
 - https://youtu.be/rflM9NFh]Ak#t=15
 - "Come Fly With Me" and "Birth of the Blues" (at 3:00)



Barbershop Smorgasbord

- Judging Criteria
 - Singing, Performance, and Musicality
- Pop Song Cover
 - Signature
 - https://youtu.be/8RXXQsxvO1Q
 - "A Change is Gonna Come" (Sam Cooke cover)
- Comedy
 - "Lida Rose" by the Buffalo Bills and Shirley Jones
 - https://youtu.be/wtm7KER4YgA (Shirley @ 1:45)
 - Storm Front's Version, 2010 Int'l Champions
 - https://youtu.be/vWCNilikbFw#t=30



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