

# America's Getting in the Hearing Loop

A stylized graphic of the American flag, featuring a blue field with white stars and red and white stripes, positioned in the upper right corner of the slide.

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Co-Chair HLAA National Looping Steering Committee

# GETTING YOU IN THE LOOP

- ✓ The story of electromagnetic induction
- ✓ What's a hearing loop?
- ✓ What's a telecoil?
- ✓ Hearing loops in America
- ✓ Hearing loops abroad
- ✓ Hearing loops in Albuquerque

# About questions...



# First of all...

let's talk about old technology





# **"Telecoils are old technology..."**

## **Well, so what?**



### **The wrist watch**



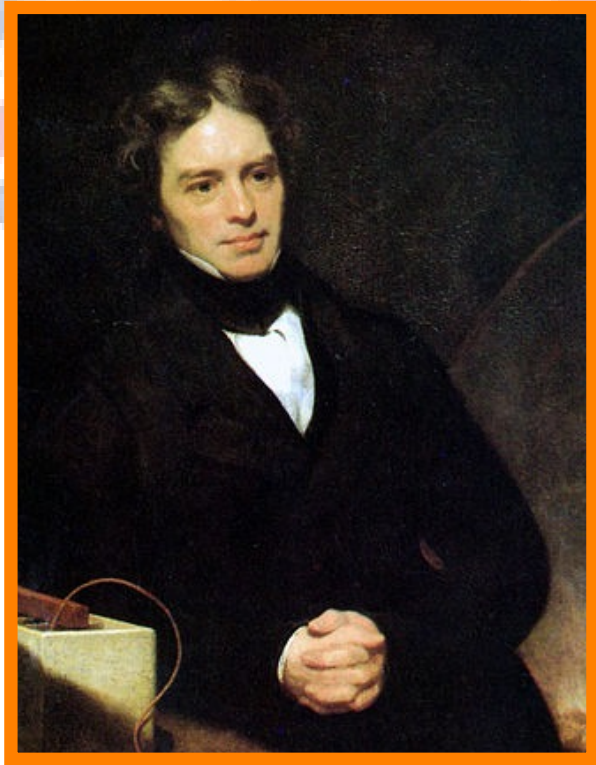
### **Electric cars**



### **The Telephone**



# The beginning

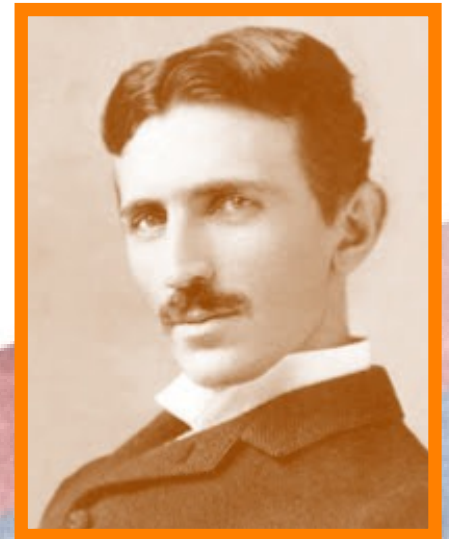


1831 British scientist  
Michael Faraday discovers  
electromagnetic induction that,  
as time passed, came to be  
used in electrical components  
such as transformers, generators, electric  
motors and....induction (hearing) loops.

# The beginning

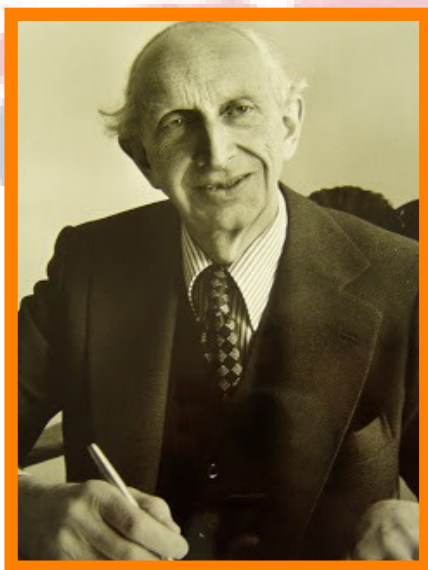


1885 - Italian Galileo  
Ferraris invents the  
first electromagnetic  
induction motor and



then Serbian American Nikola Tesla  
re-invents it in 1888.

# The beginning



1937 - The electromagnetic induction loop system was invented by Russian born British telephone and sound engineer

Joseph Poliakoff, the founder of Multitone Electric Company in Great Britain.

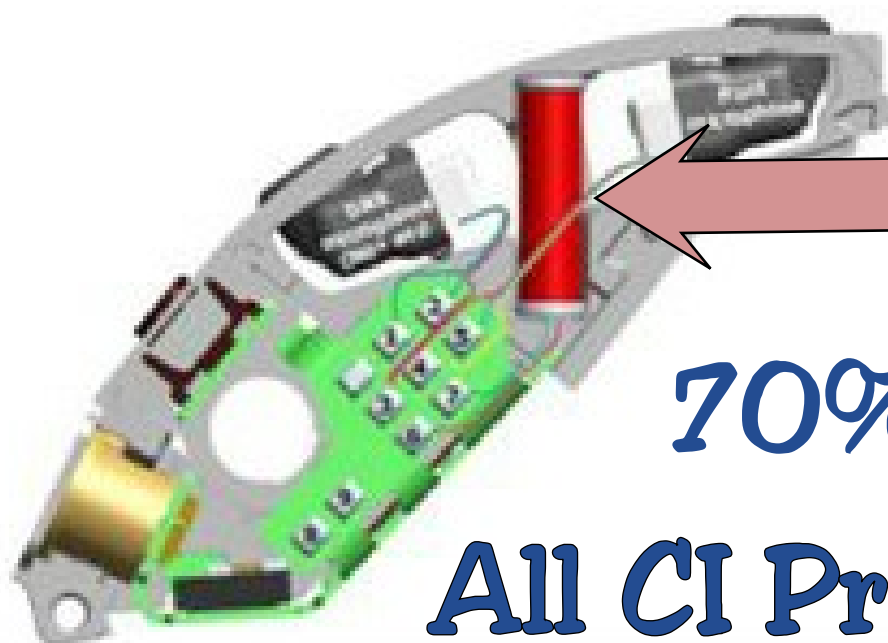
# The beginning

**The first wearable hearing aid with a telecoil, worn in a chest pocket, was made by the Multitone Electric Co. in England in 1938.**





# What's a telecoil?



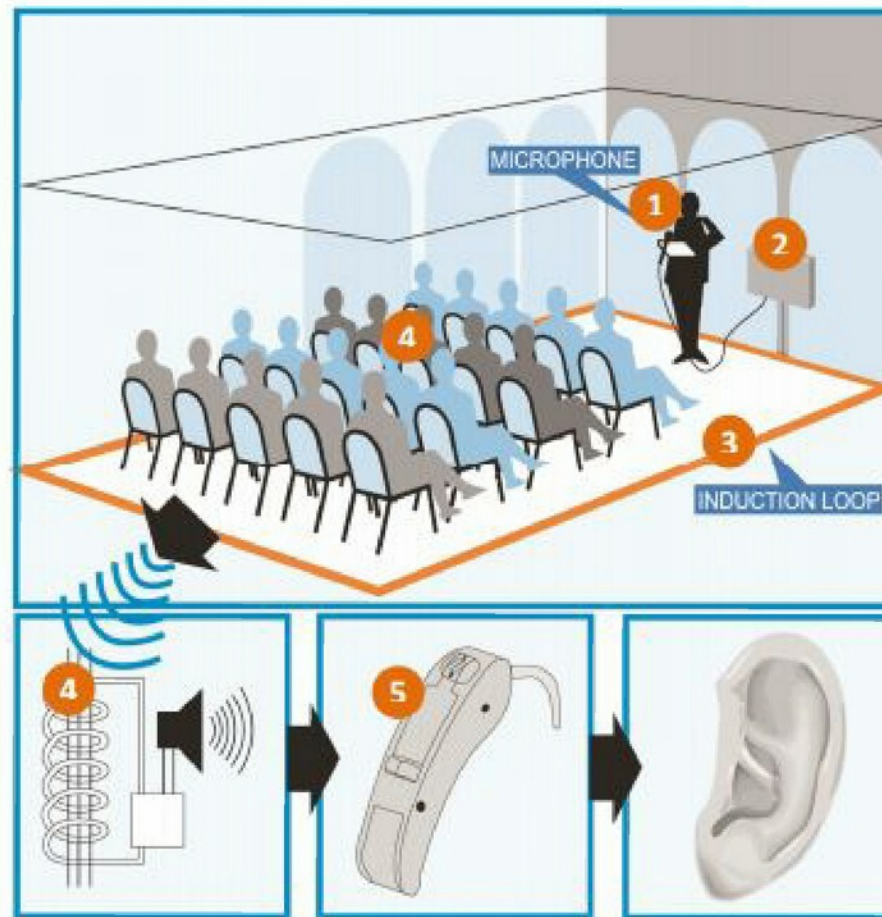
T-coil

70% All HAs

All CI Processors

95% of HAs in England

# What's a Hearing Loop?



## Perimeter Loop

# Many types of loops

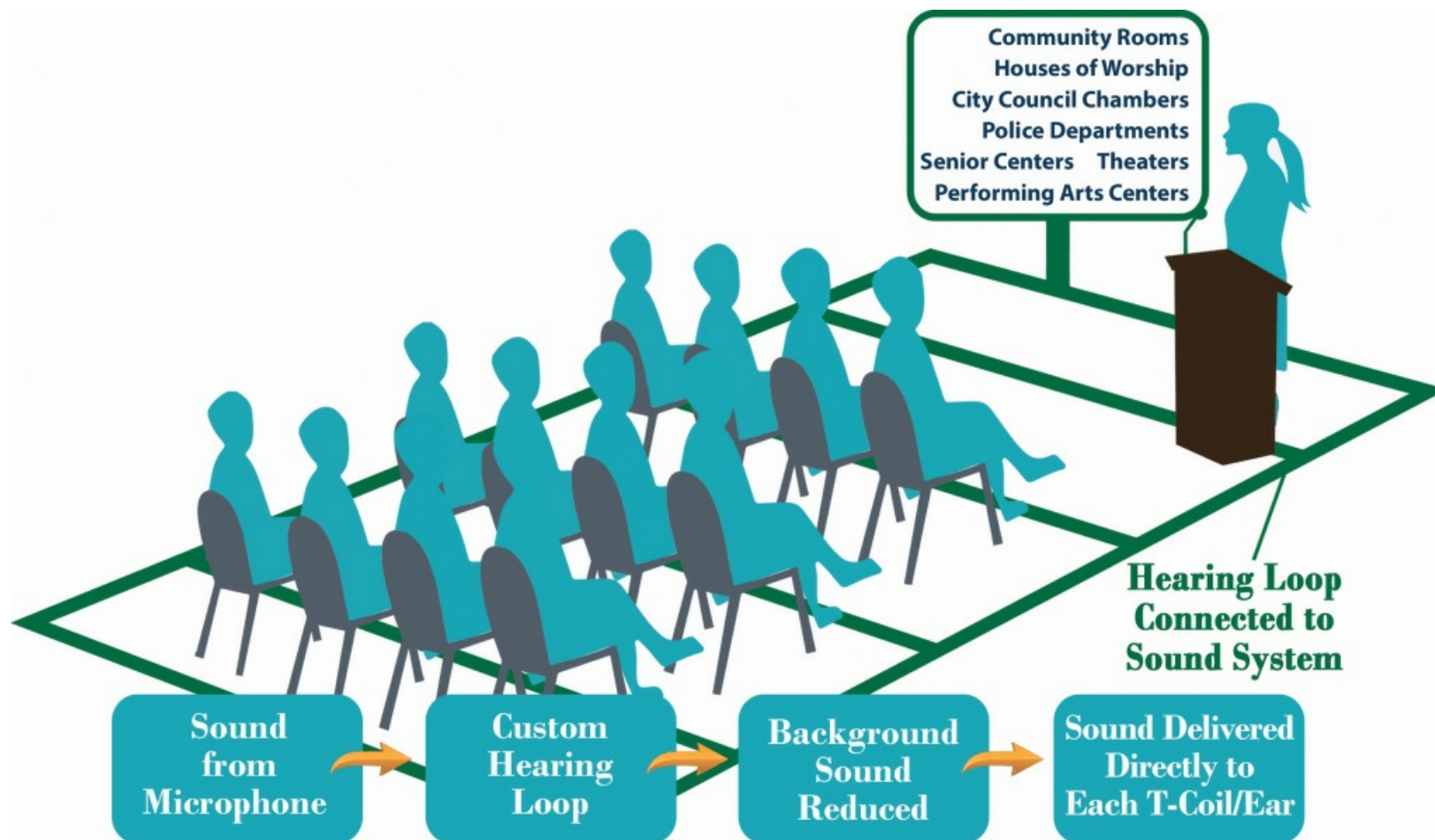


- ✓ Perimeter room loops
- ✓ Phased array loops
- ✓ Portable loops
- ✓ Neckloops

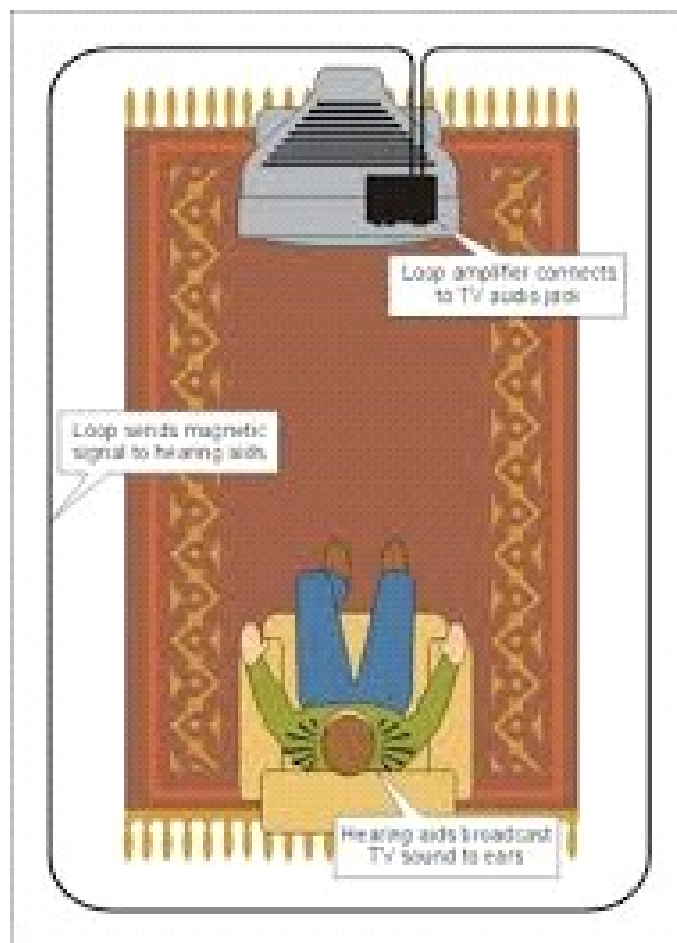
Let's look at some of them...



# What's a Hearing Loop?



# What's a Hearing Loop?



# What's a Hearing Loop?



**Amplifier plugged into TV just like a room loop with a wire discreetly strung to TV viewing chair and hooked to loop pad that goes under the chair's cushion (can also be used under the mattress in a bed).**

# What's a Hearing Loop?



**Looped card table**

# What's a Hearing Loop?

## Looped clipboard

Think of it as a personal amplifier  
for use on the job...



# What's a Hearing Loop?

## Looped cars

**Some people have actually had their car looped in order to hear conversations while traveling...**



# What's a Hearing Loop?



Amplified with  
microphone



Unamplified

## Neck Loop

Think of it as a headset



# A few of the uses of the neckloop...

- ✓ Stereo and Surround Sound Systems
- ✓ Computers or tablets
- ✓ Phones (Cell and home)
- ✓ MP3 Players
- ✓ On a TV equipped treadmill at the gym
- ✓ On your TV at home or while traveling





# Loops in America-the beginning



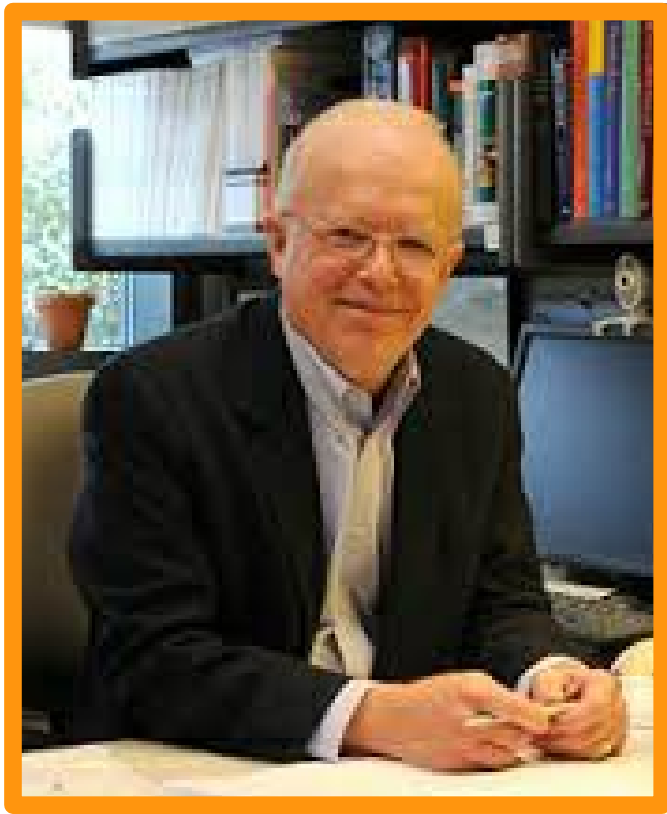
Rocky Stone, retired CIA agent and founder of HLAA (then known as SHHH (Self Help for Hard of Hearing People) first introduced hearing loops to SHHH chapter leaders in the early 1980's.

# The beginning

**The Albuquerque SHHH chapter acquired a loop in the early 1990's and used it for well over a decade, setting it up and taking it down each month.**

**Christ United Methodist Church, looped shortly thereafter, was the only other known loop in operation in Abq. for many years.**

# The beginning



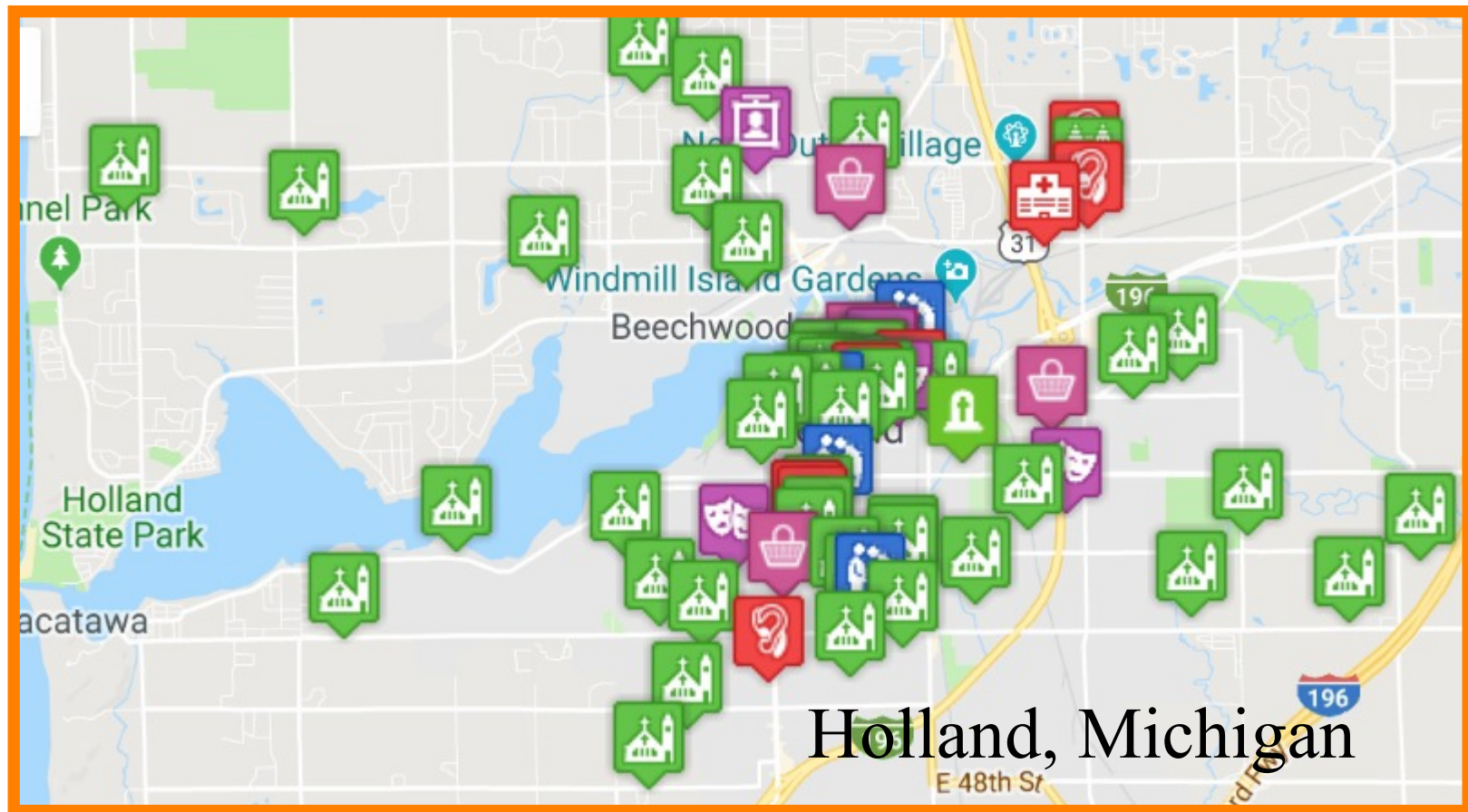
**Prof. David G. Myers**  
**Professor of Psychology**  
**at Hope College in Holland, Michigan.**

**Author of 17 books, including popular textbooks entitled *Psychology, Exploring Psychology, Social Psychology* and of books dealing with such issues as scientific psychology, Christian faith and hearing loss.**

# Iona Abbey, Scotland



# The looping of Michigan



Now Over 900

# The Millennium



**Sally Schwartz bought assistive devices business from Wayland Clancy, named it Hand Links and began installing loops.**



# Loop New Mexico Formed

An initiative of Albuquerque SHHH



Created 2005 by Jim Ogle  
Los Alamos Engineer, HLAAbq member

# Loop Wisconsin Formed

**In 2008 Audiologist Juliette Sterkens attends hearing loss expo and hears Dr. Myers tell about the looping of Western Michigan.**





**2010 -**

**A watershed year for looping**

**The ADA**

**The Americans with Disabilities Act**

**GITHL**

**Get In the Hearing Loop**

# In 2010



👍 Assistive Listening Systems Required

👍 Hearing Aid Compatible Required  
(Must work with telecoils)

👍 Adequate Signage.

**In 2010**

# Get in the Hearing Loop

*Proud supporter of*

**Get in the  
Hearing Loop**

A Joint Project of the  
Hearing Loss Association  
of America and the  
American Academy  
of Audiology

# In 2011



## HLAA hosted 2nd Intl. Looping Conference

# In 2011

## Looping campaigns started up all over the U.S.....



# Today

## Over 3 dozen HLAA Chapter/State campaigns

**Arizona**

**Michigan**

**Oregon**

**Delaware**

**New Mexico**

**Rhode Island**

**California**

**New Jersey**

**Washington**

**Colorado**

**New York**

**Wisconsin**

**Florida**

**North Carolina**

**Utah**



# Today

## Other Looping Campaigns





# Today

## Individual advocates



**Dr. Richard Meidinger**  
**Lawrence, KS**



**Prof. Carol Lomicky**  
**Kearney, NE**

# Hearing Care Providers



**Ko'olau Audiology & Hearing  
Aid Services**

Your Goal Is Our Goal "Better Hearing"!

# State and city governments

**6 states mandate telecoil counseling**

**NYC mandates loops in city buildings**

**Minnesota mandates loops in state buildings**

# Where will you find loops?

## Places of worship

Room Loops and Neckloops



## Over 100 in NM - most in Albuquerque



# Where will you find loops?

## Movie Theaters



# Where will you find loops?

## Performance Spaces



Oshkosh Grand Opera House



Albuquerque Little Theater was the first of 6 local theaters to loop their auditorium



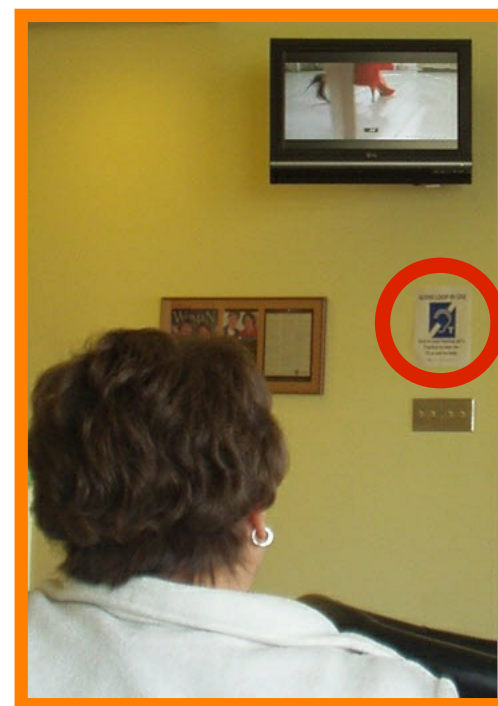
Van Wezel  
Auditorium  
Sarasota

HLAA has compiled a list of nearly 200 performing arts venues that have loops and many more feature neckloops.



Where will you find loops?

# Offices and waiting rooms



# Where will you find loops?

## Banks and retail stores



# Where will you find loops?

## A growing number of drug and grocery stores



Wegmans Food Markets has begun installing induction hearing loop stations at pharmacy counters and check out lanes in all 88 of their stores in the Northeast.

Each of the 101 Kinney Drug store locations have been equipped with a counter-top or point of service hearing loop and a specifically designed directional microphone that eliminates back ground noise.





# Where will you find loops?

## Transportation hubs



Gerald Ford Airport



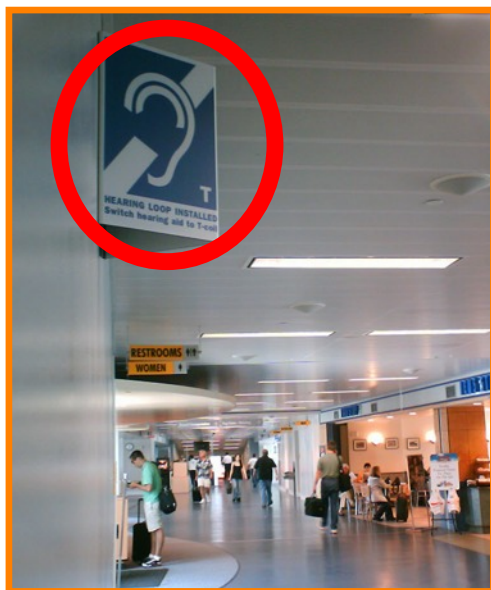
Union Station, Washington D.C.



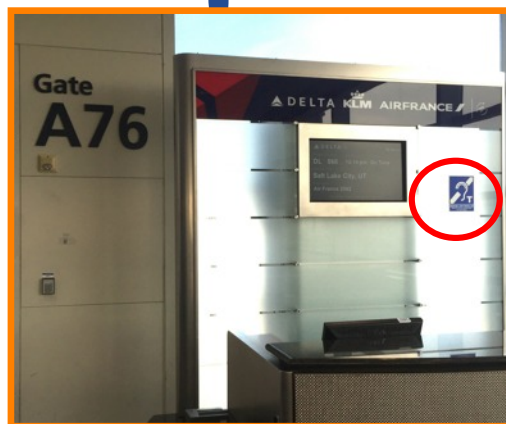
Milwaukee Intermodal Station

# Where will you find loops?

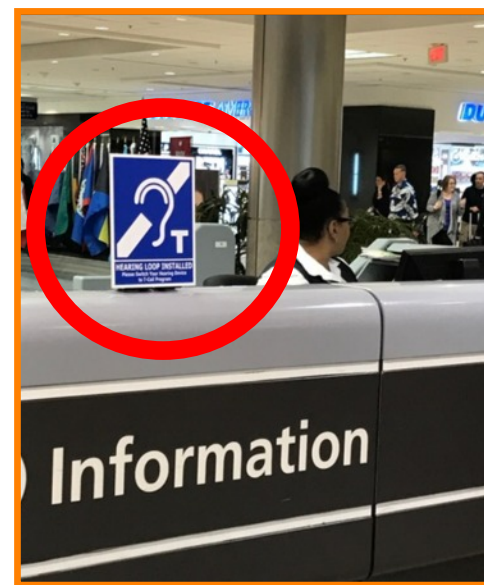
## Airports



A concourse at Gerald Ford airport, Grand Rapids, MI



Delta Airlines gate at Detroit Metropolitan Wayne County



Information counter at Hartsfield-Jackson Atlanta

## OTHER KNOWN LOOPED AIRPORTS BEFORE 2018

Kalamazoo, MI - Muskegan, MI - Rochester, NY

South Bend, IN



**Where will you find loops?**

# **Airports - New/expanded 2018**

**Austin TX - new**

**Atlanta, GA - expanded**

**Memphis, TN - new**

**Phoenix, AZ - new**

**Rochester, NY - expanded**

Where will you find loops?

# Neckloops and airplanes



Virgin Atlantic now offers their international travel passengers a choice of ear buds or A NECKLOOP.

Your own neckloop will work on many airliners.

# Where will you find loops?

## San Francisco BART



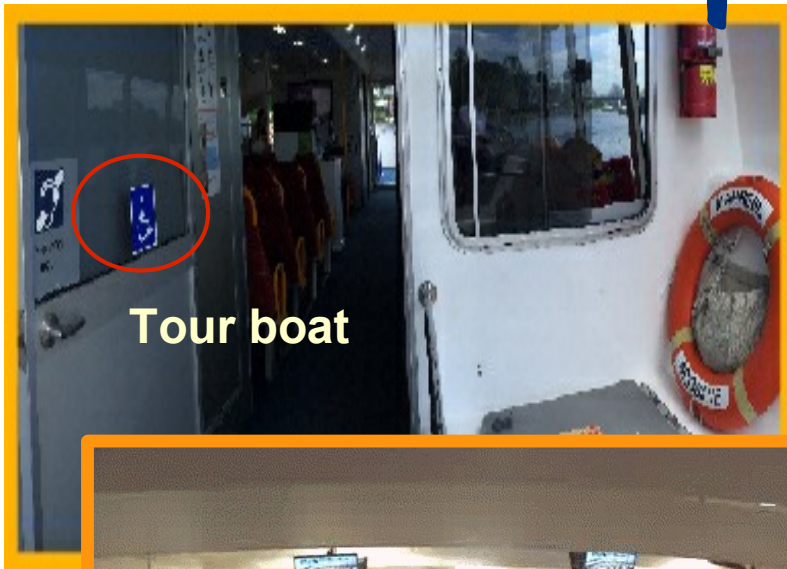
**#1 of 45 possible looped stations**



**1,081 new train cars,**

# Where will you find loops?

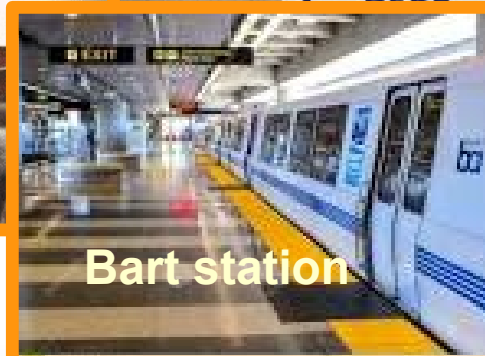
## Unexpected places



Tour boat



City council chamber



Bart station



Disneyland



# Where will you find loops?

## Unexpected places



### FIRST IN THE NATION

### **Breslin Center at Michigan State University**



# Where will you find loops?

Unexpected  
places



# Where will you find loops?

## New York City - In the loop



**All new/renovated city financed assembly areas to be looped.**



# Where will you find loops?

## Now appearing on the Great White Way



# Where will you find loops?

## New York City Taxi Cabs Have Loops



**All new NYC taxis must be this hearing loop equipped "Taxi of Tomorrow".**

# Where will you find loops?

## Grand Central Station - NYC



With help from the NYC Human Rights Commission  
loops have been installed at some ticket windows.



# Where will you find loops?

## Other New York City looped venues

Penn Station  
information booth



Metropolitan  
Museum



Bronx Botanical  
Gardens

# Where will you find loops?

## New York City subway



**Over 600 NYC subway fair/information  
booths looped and they really work !**

# Loops abroad...

## Loop technology in England



**Heathrow Express Sign:**  
"For users of hearing aids,  
we've fitted our on board PA  
system with an induction loop."



Heathrow waiting area



London  
subway



The Lord Nelson



# Loops abroad...

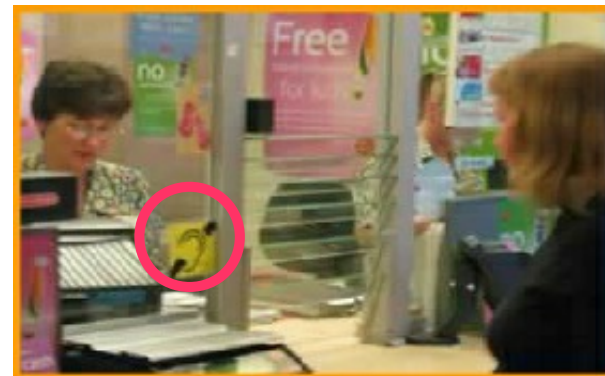
## Loop technology in England



Canterbury Cathedral



Bank teller



Ticket window

# Loops abroad...

## Westminster Abbey



*~The very first sentence in the program for the 50th anniversary celebration of Queen Elizabeth's coronation in 2003~*

*The whole of the church is served by a hearing loop. Users should turn their hearing aid to the setting marked "I."*



# Loops abroad...

## Loop technology in France



The Louvre



Notre Dame



Les Eysies

# Loops abroad...

## Loop technology in Germany and Austria



Der Kölner Dom, Cologne



The Danube boat tours



# Loops abroad... Foreign airports



London Heathrow airport



Domodedovo airport, Moscow



Newcastle airport in England



Christchurch New Zealand. Airport



Dublin airport in Ireland

# Loops abroad...

## Loop technology in Australia



**All major airports feature hearing loop technology**



**Melbourne train platforms**



**Sydney commuter trains were recently looped.**

# Loops abroad...

## Loop technology in Australia

### Sydney Opera House



### Sydney Observatory





# Loops abroad...

## Loop technology in Australia

### A sampling of other installations

- ➡ **Australian Taxation Offices – various sites**
- ➡ **Melbourne Cricket Ground (Melbourne)**
- ➡ **Brisbane City Council Town Hall (Brisbane)**
- ➡ **La Trobe University – Bendigo Campus, Victoria**
- ➡ **Cochlear Global Headquarters (Sydney)**



# Where will you find loops IN ALBUQUERQUE?

Nearly 140 New Mexico locations (of which 80 are in Albuquerque) have actual hearing loops and an unknown number offer neckloops with their FM or IR systems.

(Remember - You need to ask for a receiver and neckloop)

# Where will you find loops IN ALBUQUERQUE?

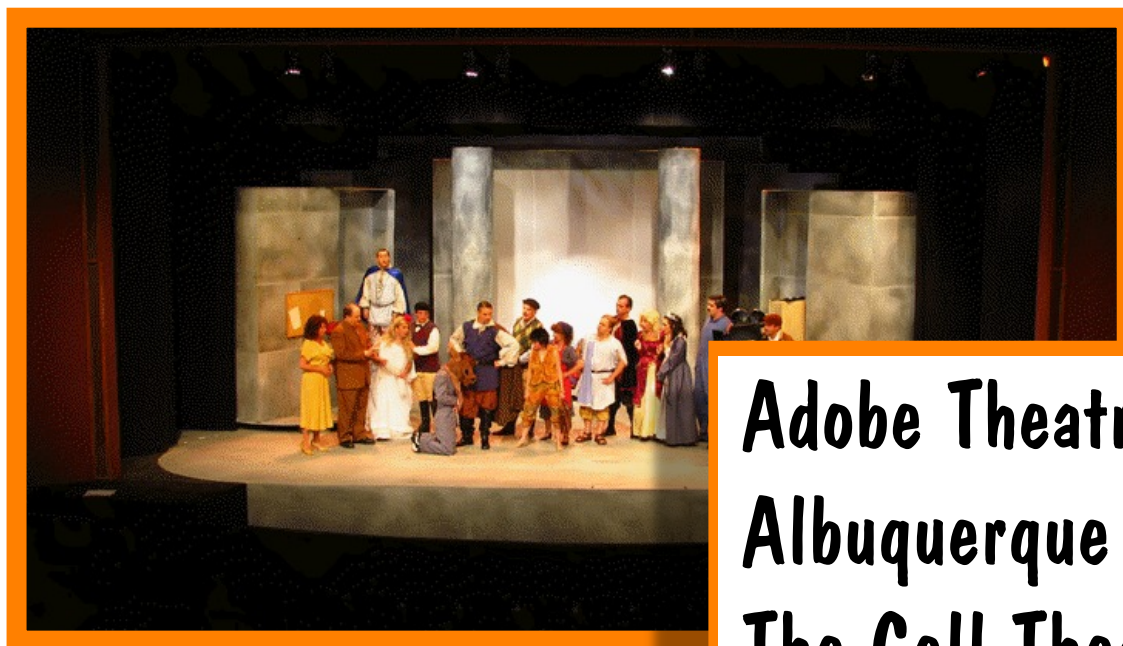


## Places of worship

# Where will you find loops IN ALBUQUERQUE?



**Live theatre**



**Adobe Theatre  
Albuquerque Little Theatre  
The Cell Theatre  
The Vortex  
N4th (North Fourth) Theatre**



# Where will you find loops IN ALBUQUERQUE? The Hispanic Cultural Center



**Neckloops in:**

- ☆ **Albuquerque Journal Theatre**
- ☆ **WellsFargo Auditorium**
- ☆ **Bank of America Theatre**

# Where will you find loops IN ALBUQUERQUE?



Just a  
word about  
the neckloops  
at Popejoy Hall

# Where will you find loops IN ALBUQUERQUE?



**Neckloops at most multiplexes in Albuquerque**

# Where will you find loops IN ALBUQUERQUE? including Flix Brewhouse





# Where will you find loops IN ALBUQUERQUE?

Waiting and fitting  
rooms in several  
hearing care offices...



# Where will you find loops IN ALBUQUERQUE?

## City Council/County Commission Chamber



# Where will you find loops IN ALBUQUERQUE?

Places on the radar...



**The Sunport**



**The KIMO**

# Where will you find loops IN ALBUQUERQUE?

Look for this blue ear symbol





# Where will you find loops in Albuquerque?

## That's up to you...

Be an advocate - talk to others at:

Your place of worship

Your service club

Your bridge club

Your book discussion group

Any place you go and have trouble hearing



In case you thought I was never going to stop...



**QUESTIONS?**



Learn more about hearing  
loops and where they are  
in New Mexico at  
[WWW.LoopNM.com](http://WWW.LoopNM.com)



# Time's up... thanks for coming

