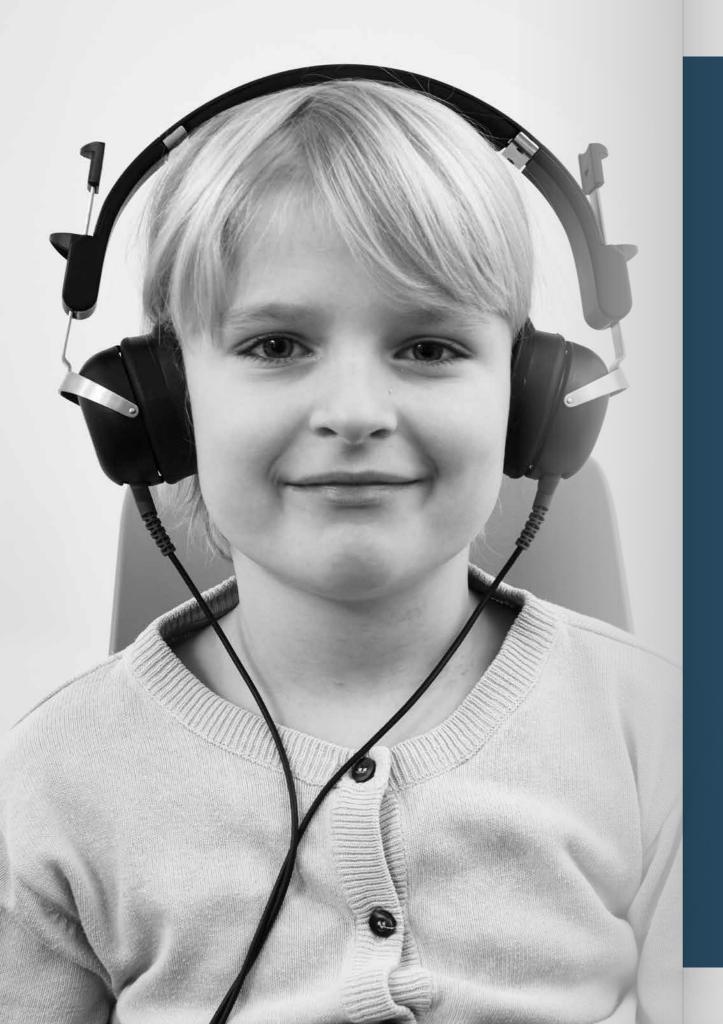




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# Supra-aural Headsets

**P4492** #8106340

# DD45 Adult audiometric headset

Headband: HBA, foldable

i) Transducer: DD45

Cable length: 2m

Plug type: 30°, 2x6.3mm gold-plated

mono jack



**P4492X** #8506471

# DD45 Adult audiometric headset

Headband: HBA, foldable

7) Transducer: DD45

**Cable length:** 5m

Plug type: 30°, 2x6.3mm gold-plated mono jack



**P4492P** #8512446

### DD45 Pediatric audiometric headset

Headband: HB3100

1) Transducer: DD45

Cable length: 5m

Plug type: 30°, 2x6.3mm gold-plated mono jack



**P4490** #8010954

# **DD45 Audiometric headset**

**Headband:** RE-7

)) Transducer: DD45

Cable length: 2m

Plug type: 30°, 2x6.3mm gold-plated mono jack



**P4491** #8010895

## **DD45 Contra headset**

**Headband:** HBC

1) Transducer: DD45

Cable length: 2m

Plug type: 30°, 1x6.3mm gold-plated mono jack



**P4510** #8105676

# Contra headset

Headband: HB3045C

1) Transducer: DD45

Cable length: 2m

Plug type: Straight, 1x6.3mm gold-plated mono mini jack



Supra-aural Headsets

**P4493** #8105268

### DD45 Adult audiometric headset

Headband: HB3045

Transducer: DD45

Cable length: 2m

Plug type: 30°, 2x 6.3mm gold-plated mono jack



**P4494** #8511347

# **DD45 Adult audiometric headset**

Headband: HB3045

1) Transducer: DD45

**Cable length:** 5m

Plug type: 30°, 2x6.3mm gold-plated mono jack



# Supra-aural Headsets Spare Parts and Accessories

P4421 #8507268

#### DD45 transducer

Audiometric earphones engineered to match the performance and function of the most popular earphones available for audiological testing.

10 ohm receiver Easy installation







P4421S #8507271

### DD45S shielded transducer

The shielded DD45 is designed to prevent the stimulus, which is being delivered to the DD45 transducer, from radiating outward, thus 'shielding' the ABR test electrodes from unwanted acoustic artifacts and providing more accurate ABR test results.

10 ohm receiver 🔯 Easy installation









P4422S #8522223

# Matched Pair Shielded DD45 10 Ohm Transducer

For ease of calibration with certain equipment, the DD45 matched pairs are carefully measured and evaluated to ensure that they have the same sensitivity at all standard audiometric frequencies.

10 ohm receiver Easy installation







P4422 #8121030

# Matched pair of DD45 transducers

For ease of calibration with certain equipment, the DD45 matched pairs are carefully measured and evaluated to ensure that they have the same sensitivity at all standard audiometric frequencies.

Reliable

10 ohm receiver Easy installation







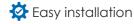
P4423 #8517296

# Matched pair of DD45 transducers

For ease of calibration with certain equipment, the DD45 matched pairs are carefully measured and evaluated to ensure that they have the same sensitivity at all standard audiometric frequencies.



Reliable







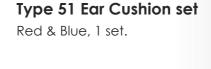
P4451

#8507206

P4452 #8507196

Type 51 Ear Cushion

Black, 1 pc.







P4471

#8507292

HB3045C #8507211

Foam pad for HB3045C headband 10 pcs.



**Tension:** 4,5 N ±0.5N

**DD45 Contra headband** 



**HB3045** 

#8507208

**HB3100** 

#8507210

**Adult Easy Adjust DD45 Headband** 

**Tension:** 4.5 N ±0.5N



Pediatric Easy Adjust DD45 Headband

Tension: 10 N ±0.5N



RE-7

#8517379

**HBA** 

#8010882

Supra-aural Headsets Spare Parts and Accessories

Headband with 2 yokes

Black.

Foldable audiometric headband

Black, foldable.





P4431

#8507205

P4432 #8507203

Single Mono earphone cable

Cable length: 2m

**Plug type:** 30°, 1x 6.3mm gold-plated mono jack

Dual Mono earphone cable

Cable length: 2m

**Plug type:** 30°, 2x6.3mm gold-plated mono jack



P4432Z

#8107358

P4434 #8004246

# **Dual Mono earphone cable**

Cable length: 2m

Plug type: Straight, 2x6.3mm gold-plated mono jack



**Cable length:** 2m

Plug type: straight mini jack 3.5mm



HEX screwdriver for 0,9mm screw

P4432X

Supra-aural Headsets Spare Parts and Accessories

#8507204

P4425

#8513343

# **Dual Mono earphone cable**

**Cable length:** 5m

**Plug type:** 30°, 2x6.3mm gold-plated mono jack



P4426 #8513344

#8010886





DD45 HEX 0,9mm screw

P4453 #8010857

MX41 cushion for DD45 and TDH39 Black, 1 pc.

Disposable cushion covers 3" Bag/500 pcs





#8107419

# Circumaural Headsets

# **DD450 High frequency headset**

The DD450 is a circumaural headset that can be used for audiometry testing in the standard audiometry range 125 Hz - 8 kHz as well as high-frequency testing up to 20 kHz. The DD450 complies with IEC-60645-1 and ANSI S3.6 up to 16 kHz. When using an IEC60318-1 coupler with a type 1 adaptor on an artificial ear, the standard allows for calibration using the RETSPLs.

RoHS compatible

Capable of full range testing

**%** Good ambient noise isolation

Gold-plated connectors

**P6010** #8520321

# **DD450 High Frequency Headset**

Cable length: 2.5m

Plug type: 30°, 2x6.3mm

gold-plated mono jack



**P6011** #8520324

# **DD450 High Frequency Headset**

Cable length: 2.5m

Plug type: Straight, 2x6.3mm gold-plated mono jack



P6012

#8520308

P6013

# **DD450 High Frequency Headset**

Cable length: 2.5m

Plug type:
Straight, 1x3.5mm
gold-plated stereo
mini jack



# **DD450 High Frequency Headset**

Cable length: 2.5m

Plug type:
90°, 1x3.5mm
gold-plated stereo
mini jack



#8520325

P4810 #8520328

# DD65v2 Audiometric Headset

**Cable length:** 2.5m

**Plug type:** 30°, 2x6.3mm

gold-plated mono jack



**P4811** #8520330

# DD65v2 Audiometric Headset

Cable length: 2.5m

Plug type: Straight, 2x6.3mm gold-plated mono jack



**P4812** #8520327

# DD65v2 Audiometric Headset

Cable length: 2.5m

Circumaural Headsets

Plug type: Straight, 1x3.5mm gold-plated stereo mini jack



**P4813** #8520331

# DD65v2 Audiometric Headset

Cable length: 2.5m

Plug type: 90°, 1x3.5mm gold-plated stereo mini jack



**P4900** #8010901

# DD45AA 10Ohm

Cable length: 2m

Plug type: 30° mono DD51, 2000mm Amplivox audiocups





#### HEARING AID MEASUREMENTS

Anechoic Wedge Room in the Radioear Laboratory. Engineer William Steele is setting up a hearing aid to be tested in this room. The highly absorbent Fiberglas wedges "deaden" sound reflections that might otherwise make measurements inaccurate.

# Circumaural Headsets Spare Parts and Accessories

P4460 #8517491

#8518613

# RadioEar Circumaural Headband assembly



RadioEar Circumaural Headband without cable



P4635

#8517500

#8517504

RadioEar Circumaural Headband cable

Cable length: 2.5m

Plug type: 90°, 1x 3.5mm gold-plated stereo mini jack



P4633

RadioEar Circumaural Headband cable

Cable length: 2.5m

Plug type: Straight, 2x6.3mm goldplated mono jack



P4632

P4462

#8517507

RadioEar Circumaural Headband cable

Cable length: 2.5m

Plug type: 30°, 2x6.3 mm gold-plated mono jack



P4634

#8517503

RadioEar Circumaural Headband cable

Cable length: 2.5m

Plug type: Straight, 1x3.5mm goldplated stereo mini jack



P4461

#8517499

P4639

#8524258

RadioEar Cushions for Circumaural **Headbands** 



**Sanitation Kit DDxx** 

Replacement kit, containing set of new cushions and felt. Designed to maintain hygiene and prolong the life of DD65v2 and DD450 headsets.



P4640

#8000770

RadioEar Circumaural headband cushion



P4910

#8010855

Spare parts for Circumaural Headsets

Amplivox Audiocups, headset assembled, ex transducers



P4641

#8513404

Disposable cushion covers 4" Bag/100 pcs



# Bone transducer headsets

**P1010** #8506488

# **B71 Bone transducer headset**

**Ω Ohm:** 10 ohm

Cable length: 79"/200 cm molded cord

Plug type: Straight, 1x6.3 mm

gold-plated mono jack

Headband: P3333



**P1012** #8510370

# **B71** Bone transducer headset

**Ω Ohm**: 10 ohm

Cable length: 79"/200 cm molded cord

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack

Headband: P3333



**P3010** #8519447

### **B71** Bone transducer headset

**Ω Ohm:** 10 ohm

Cable length: 79"/200 cm molded cord

Plug type: 3.5mm plug



**P1030** #8511359

B71 Bone transducer headset with 10 pcs AMBAND elastic bands

**Ohm:** 10 ohm

Cable length: 79"/200 cm molded cord

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack

Headband: P1188 AMBAND



**P2010** #8509840

# **B-81 Bone transducer headset**

**Ω Ohm:** 12.5 ohm

Cable length: 79"/200 cm molded cord

Plug type: Straight, 1x6.3mm

gold-plated mono jack

Headband: P3333



**P2011** #8510371

# **B-81 Bone transducer headset**

**Ohm:** 12.5 ohm

Cable length: 79"/200 cm molded cord

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack

Headband: P3333



**P2030** #8511361

# B-81 Bone transducer headset with 10 pcs AMBAND elastic bands

**Ohm:** 12.5 ohm

Cable length: 79"/200 cm molded cord

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack

Headband: P1188 AMBAND







#### AUTOMATIC COIL WINDING

Rosemary Robert is operating an automatic-winding machine, producing tiny Radioear coils. This machine winds microphone coils, receiver coils, Phonemaster coils and transformer coils for Radioear hearing aids. Automatic controls permit winding exactly the correct number of turns. On many coils the wire is smaller than the diameter of a human hair and one of the spools of wire may contain as much as 25 miles of this fine wire!

# Bone transducer accessories and spare parts

# B71 lead free std. bone transducer

Since its introduction in the 1970s the RadioEar B71 has been the bone transducer of choice for audiometric testing. In response to RoHS directive 2011/65/EU, which took effect in July 2014, RadioEar has developed the B71 bone transducer.

Reliable

RoHS compatible

Outstanding quality

P1001

#8506731

P1002

#8506732

B71, 10 ohm bone transducer

**Ohm:** 10 ohm



B71, 50 ohm bone transducer

**Ohm:** 50 ohm



P1005

#8506735

P1006

#8506736

B71, 150 ohm bone transducer

**Ohm:** 150 ohm



B71, 300 ohm bone transducer

**Ohm:** 300 ohm



# B-81, 12.5 ohm high output bone transducer

The B-81 is an enhanced bone transducer which achieves higher output levels at low frequencies with a superior distortion performance. With the B-81 it is now possible, for example, to reliably measure bone conduction thresholds up to 50 dBHL at 250 Hz.

The B-81 is based on the Balanced Electro-magnetic Separation Transducer (BEST principle), where static forces are counter-balanced so that non-linear distortion forces are reduced and maximum output levels can be increased. Furthermore, the robust mechanical construction results in a significantly improved shock resistance compared to conventional designs.

The B-81 is compatible with all standard headbands and high quality cables. It also has the capability of using a custom cable designed to securely attach the plug to the transducer body. This safety feature eliminates the risk of accidentally unplugging the device while in use.



Secured plug concept

RoHS compatible

P2001 #8506737

B-81, 12.5 ohm bone transducer

**Ω Ohm:** 12.5 ohm at 1 kHz



P3333 #8507213

Headset for B71 & B-81



P3333C #8506712

Covered headset for B71 & B-81



P1188 #8507214

AMBAND elastic headband

10 pcs.



P3288-1 #8504777

Replacement pad

10 pcs.



Bone transducer accessories and spare parts

# P3081A #8507183

# Molded cord for B-81 and B71

**Cable length:** 112"/285 cm

Plug type: 3.1, straight, 1x6.3mm gold-plated mono jack



**P3082** #8107612

# Molded cord for B-81 and B71

Cable length: 79"/200 cm

Plug type: 3.1, 30°, 1x6.3mm gold-plated mono jack



**P3083** #8103211

Cable length: 79"/200 cm

Bone transducer accessories and spare parts

Plug type: 3.1, straight, 1x6.3mm gold-plated mono jack

Molded cord for B-81 and B71



**P3085** #8515712

# Molded cord for B-81 and B71

Cable length: 79"/200 cm

Plug type: 3.1 with No Plug



P3084

#8515713

# Molded cord for B-81 and B71

Cable length: 79"/200 cm

Plug type: 3.1, straight, 1x6.3mm gold-plated mono jack



P3086

#8519444

# Molded cord for B-81 and B71

Cable length: 79"/200 cm

Plug type: 3.1, 90°, 1x3.5mm goldplated mono jack



# Spare parts for no-safety pin bone conductors

**P3024D** #8507809

## Twisted Pair cord for B71W

**Cable length:** 72"/183 cm

Plug type: 90°, 1x6.3mm stereo jack



**P3027** #8507193

# Molded cord for B71W

Cable length: 79"/200 cm

**Plug type:** No plug



**P3027A** #8507202

### Molded cord for B71W

Cable length: 79"/200 cm

Plug type: Straight, 1x6.3mm gold-plated mono jack



**P3028** #8508473

# Molded cord for B71W

Cable length: 79"/200 cm

Plug type: 30°, 1x6.3mm gold-plated mono jack





Insert earphone transducer headsets

The IP30 Insert earphone from RadioEar has been designed to meet the ISO 389-2 standard and matches the performance of the most popular insert earphones used in the industry today. These devices have proven to be quite accurate in a variety of testing conditions and are very effective in filtering out unwanted background noise. This makes them an ideal choice for non-ideal examination settings. Additionally the RadioEar IP30 Insert earphone does not require the use of bulky uncomfortable headbands.

The RadioEar IP30 Insert earphone is available in 10 ohm and 50 ohm impedances, as well as versions designed for use in AEP and contralateral applications.

Ideal for testing in non-ideal surroundings

Lightweight and compact

RoHS compatible

**P5010** #8101884

IP30 Insert earphone

**Ohm:** 10 ohm

**Cable length:** 2m

**Plug type:** 30°, 2x6.3mm

gold-plated mono jack



**P5011** #8101891

IP30 Insert earphone

**Ohm:** 50 ohm

Cable length: 2m

**Plug type:** 30°, 2x6.3mm

gold-plated mono jack



**P5012** #8101892

# **IP30 ABR Insert earphone**

**Ω Ohm:** 50 ohm

**Cable length:** 2.9m

**Plug type:** 30°, 2x6.3mm

gold-plated mono jack



**P5040** #8108559

# **IP30 Contra Insert earphone**

**Ω Ohm**: 10 ohm

Cable length: 2m

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack



**P5041** #8101894

# IP30 Contra Insert earphone

**Ω Ohm**: 10 ohm

Cable length: 0.5m

Plug type: Straight, 1x3.5mm

gold-plated mono mini jack



**P5013** #8514834

# **IP30 Insert Earphone**

**Ohm:** 10 ohm

**Cable length:** 5m

Plug type: 30°, 2x6.3mm gold-plated mono jack



P5014

#8514909

Insert earphone transducer headsets

# IP30 Insert Earphone

**○ Ohm:** 50 ohm

Cable length: 5m

Plug type: 30°, 2x6.3mm gold-plated mono jack



# Insert earphone accessories and spare parts

**P5051** #8004432

# IP30 Insert earphone cable

**Cable length:** 2m





**P5052** #8107179

# IP30 Insert earphone cable

Cable length: 2m

Plug type: Straight, 2x6.3mm gold-plated mono jack



P5053 #8107359

IP30 Contra Insert earphone cable

**Cable length:** 2m

**Plug type:** 30°, 1x6.3mm

gold-plated mono jack



P5054 #8108193

IP30 Contra Insert earphone cable

**Cable length:** 0.5m

Plug type: Straight, 1x3.5mm

gold-plated mono mini jack



P5055 #8518088

Cognition custom cable for IP30

Cable length: 550mm

Plug type: 2.5mm jack



P5070 #8507327

IP30 Sound tubes incl. tube connectors

1 set.



#8507328

IP30 Contra sound tube incl. tube connectors and ear tip adaptor



P5072 #8507405

IP30 Sound tubes for the Sanibel™ Infant EarCup™

1 set.



#8507406

#8507410

Insert earphone accessories and spare parts

IP30 Sound tubes for the Sanibel™ **ADI** ear tips

1 set.





P5074 #8507332

**IP30** connectors

10 pcs in kit.



P5075

**IP30 Fastener kit** 



38 | Insert earphone accessories and spare parts



# Speakers & Amplifiers

**\$P85A** #8104162

# **Table Top Active Speaker**

Thick MDF walls with internal bracing minimize unwanted resonance and distortion. Heavy internal sound-damping material is used to reduce unwanted sound reflections inside the cabinet. It has smooth cabinet edges, containing tuned front-port slots. Easily accessible ON/OFF switch on back and removable protective front cover.

# Available accessories: #8515346

SP85A Wall mount kit 1pcs.

## #8515011

Speakers & Amplifiers

Wall mount kit for SP85A speaker; Sound room speaker



**SP90** #8100693

# Wall/Corner Mount Passive Speaker, pair

RadioEar brings you the compact audiometric speakers. With superb sound quality and specification, they will fit perfectly into your office or sound room environment. They have a robust and durable design with no compromise in style.



**\$P90A** #8104161

# Table Top Active Speaker, pair

Thick MDF walls with internal bracing minimize unwanted resonance and distortion. Heavy internal sound-damping material is used to reduce unwanted sound reflections inside the cabinet. Easily accessible ON/OFF switch on back and removable protective front cover.



Available accessories: #8506330

SP90A Speaker Mounting Kit



**SP105** #8512371

# **High Performance Speaker**

State of the art speaker system for audiometry threshold testing. The SP105 speaker is specifically designed to meet your uppermost demands for free field audiometry testing. It shows outstanding performance, especially with the RadioEar AP70 amplifier, where it will reach 127 dB SPL at 1 kHz with a distortion level less than 1%.



**\$P80** #8522465

# Free Field White 4" Bookshelf speaker (pair)

The SP80 is a speaker specially designed to fit into the stylish environments of hearing aid dispenser clinics. The white casing and front cover ensures a neutral design, not taking away the attention from the clinician performing the test. The speaker fulfill the demands to free field speech testing in a hearing testing environment and is a great option in those cases where a setup is needing to support a certain style in an environment and an amplifier is already available from within the audiometer.



**AP70** #8103025

# Free Field Amplifier

A small, stylish and lightweight audiometry amplifier with the heavyweight performance. Class leading fidelity - thanks to innovative input circuits and 'hum' elimination. It has multiple input options providing interfaces to all standard audiometer outputs. It is remote controlled on/off from the audiometer.



# Miscellaneous

# EMS400 Electret microphone

Cable length: 1.5m

**✓ Plug type:** 30°, 1x6.3mm gold-plated stereo jack



**P7710** #8505949

# EMS400 Electret microphone mini jack

Cable length: 1.5m

Plug type: Straight, 1x3.5mm gold-plated stereo mini jack





The Gold Standard of Audiometric Transducers

RadioEar's attention to quality and commitment to customer satisfaction has made RadioEar products a favorite of audiometer manufacturers around the globe since 1950.

RadioEar's wide-range of product offerings includes a full line of audiometric transducers and accessories.

RadioEar's bone transducers have survived the test of time. For nearly a century, RadioEar transducers have been recognized world-wide for their enduring value. With our expanding product line, RadioEar customers now enjoy the convenience and savings of buying audiometric transducers and a complete line of compatible accessories from a single reliable source. Our customer care team is skilled in managing international sales and serving both large and small customers alike.

# Nearly a century of innovation and evolution

# with a constant focus on the needs of the audiology community

RadioEar was founded in June 1924
by Edward A. Myers. Known as 'E.A.'
to his employees and associates,
Myers began his career in 1896 as an
attorney in Indiana and had become
an exceptionally trial lawyer when he
developed a serious hearing impairment
shortly after the turn of the century.
The hearing loss prevented him from
continuing as a lawyer, so he entered
and successfully pursued another field,
that of engine manufacturing, including
the manufacturing of the 'Great Western'
automobile.

E. A. moved to Pittsburgh in 1912 and was exposed to the first broadcasting in the world from radio station KDKA.

Unfortunately, his hearing loss prevented him from being able to hear anything at all on the 'crystal' set. E. A. and a

Westinghouse engineer, George F.
Harrington, then built a vacuum tube
radio that was six feet long and powered
by automobile batteries providing a total
of 135 volts.

Using a headset, E.A. listened to the June 25, 1924 broadcast of the National Democratic Convention; he was able to hear the broadcast very well and the concept of RadioEar was born. The first 185 lb. cabinet model hearing aid was completed by September 15, 1924 and was called RadioEar. Samuel F. Lybarger, son-in-law of E. A. Myers, joined the company in June 1930. Sam was the chief engineer for RadioEar from then until his retirement in 1973. Sam was a leader in the field of hearing health care, wrote many articles and held many patents.

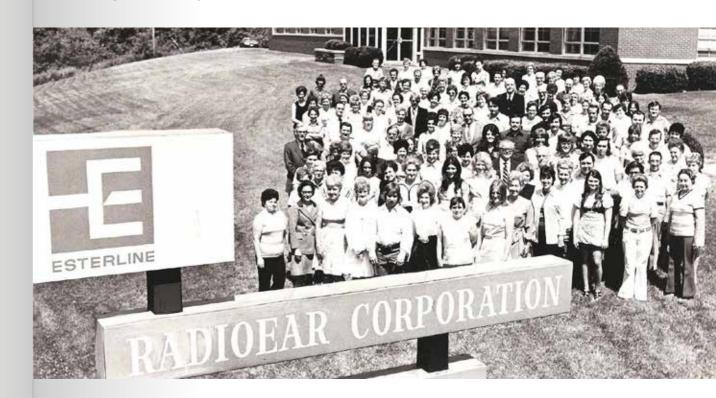
RadioEar introduced the first magnetic

microphone for use with hearing aids in 1946. Sam Lybarger invented the bone conduction transducer in 1948-49, with the first sales in 1950. The model B71 bone vibrator was introduced in 1973 and has remained the accepted standard of the industry.

RadioEar was sold to Esterline
Corporation in 1970 and then sold on
to Page Mill I in 1978. Three long-time
employees of RadioEar, Harold Holsopple,
Walter Piroth and Andrew Kriceri
purchased RadioEar in 1982. RadioEar
ceased the manufacturing of hearing
aids in the mid 1980s and concentrated
on the production and sale of bone
vibrators. The primary use of the RadioEar
B71 bone vibrator was with audiometers in
diagnostic testing.

While continuing to produce the world's dominant bone conductor, RadioEar has constantly sought out new technologies to enhance their transducers. This search has, for example, resulted in a very fruitful collaboration which led to the introduction of the B-81 to the RadioEar portfolio. The balanced armature of the B-81 permits higher output levels at low frequencies with less distortion.

From 2000 and onwards, RadioEar has been able to benefit from even greater partnership opportunities leading to recent expansion of the RadioEar product line which now includes air transducers, headsets, insert earphones and speakers.







# "Quality of service is just as important as quality of product"

E. A. Myers, Founder, RadioEar



www.radioear.us

RadioEar | Audiometer Allé 1 | 5500 Middelfart | Denmark