

WELCOME

*to a thrilling new
experience in
hearing aid
enjoyment*

Now that you are about to wear your magnificent new tubeless, 3-transistor Zenith Hearing Aid, the confidence you have shown by choosing a Zenith is to be rewarded with a bountiful measure of real hearing help and enjoyment. In every detail, your new hearing aid reflects the high quality and experienced workmanship for which products of the Zenith Radio Corporation have been famous throughout the world for more than a third of a century.

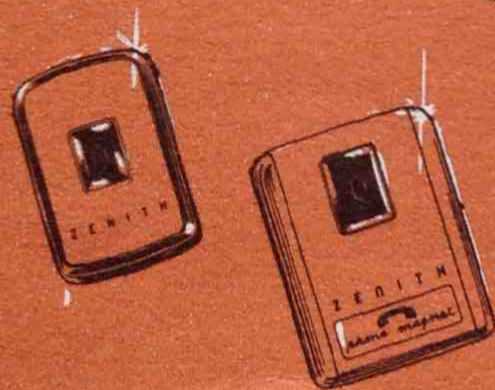
If at any time you have any questions concerning the operation of your hearing aid, we earnestly invite you to direct them either to our firm or to the Zenith dealer from whom the aid was purchased—the facilities and personnel of our entire organization are always at your service.

*If you have never worn a hearing aid,
please read the following six pages thoroughly...*

IMPORTANT

ADVICE for

those who are using an
aid for the first time



If you have never worn a hearing aid, it is only fair to tell you that as you begin the great adventure of re-entering the world of normal sound, *your path at first may not be easy. A wealth of happiness lies ahead, but you must be patient—the battle to overcome the disadvantages of impaired hearing is not usually won in a day.*



If the quality of a hearing aid were all that mattered, we could simply say to you, "Here, put on this Zenith and you will hear." But that is not enough. Your Zenith is the finest hearing aid we know how to build—but until you learn to use it properly, no hearing aid will give you all the benefits it *can* render.

From early childhood our eyes and ears co-operate to build a "sound vocabulary." We learn as children what a shoe looks like, and

that the sounds of the word *shoe* identify that object. But if a hearing loss cuts us off from some of those sounds, sooner or later we forget that part of our sound vocabulary. In order to regain the hearing *and understanding* which you have lost, you must learn again what those forgotten sounds mean.

When you first put on a hearing aid, you will hear a volume of background noise that you probably forgot existed . . . familiar words will have an unusual sound . . . and you may be unable to discriminate between different sounds. This is something to which you will have to become accustomed. Do not blame the instrument, because the hearing aid will not select sounds you want to hear from those that you do *not* want to hear. That would be like asking the human ear



to refuse to receive unkind remarks, and to hear only remarks that were complimentary.

But, remember! *Those unfamiliar sounds are your best proof of better hearing.* All people with normal hearing hear those sounds all the time—they become used to them and learn to accept them without annoyance. Many a city dweller with normal hearing, home from a brief vacation in a quiet countryside, is disturbed for several days by the incessant background roar that is a part of city life. Ordinarily, he is so accustomed to this background of sound that he goes on as if it did not exist. Even a few weeks of relative quiet, however, are enough to make this sound both noticeable and irritating. This irritation continues until he again makes use of his acquired ability to disregard the sounds he does not want to hear and concentrates his attention on those sounds he does

want to hear.

The thousands of persons who are happy with hearing aids have almost all had the same experience of "Learning to Hear Again." They are the first to emphasize the importance and rewards of patience—the first to assure you that you will *derive great joy* from your hearing aid *after you learn to use it*.



Don't rush to "try out" your Zenith in a theater, movie or other public place if you haven't worn a hearing aid before. You are probably inviting disappointment.

Start in a quiet room. In all cases, and especially if your hearing loss is at all severe or of long standing, we urge that you start in a quiet room, with only one person who will be willing to co-operate with you. Turn the volume

of the hearing aid high enough so that you do not have to strain to hear, but **NO HIGHER**. Otherwise the hearing of unfamiliar sounds may be startling.

Now, while your helper speaks in a normal tone of voice, but not rapidly, adjust the Tone Control (see page 12) to its different positions, varying the volume if necessary for each position. As you change the Tone Control, listen carefully . . . notice which positions seem to do most to bring you the full sounds of the spoken word. For example, with the Tone Control in position H, ask your helper to pronounce the sound *sh* as in *shoe*. If you hear a hissing sound which you haven't heard for years, that may well be the position that you decide on for regular use. Experiment in the same way with other positions of the Tone Control. Then go back to the position which seems to bring you

the most complete sounds.

Keep the Tone Control where you hear most comfortably, but bear this in mind: The position which brings you word sounds *which you haven't heard for years* may seem irritating at first. But it is probably the one which will enable you to hear best *after* you have learned the meaning of those sounds. Just take it easy at first. Stop and rest when your "hearing practice" tires you. As soon as you're rested, go at it again. You'll find that the strain goes *down* in direct proportion as your recognition of forgotten sounds goes *up*. Soon—quicker than you may think at first—these strange sounds will take their place in your "sound vocabulary" and will identify words much more clearly than you have known them for years. For maximum effectiveness, of course, any hearing aid should be worn *regularly*—not just

on "special" occasions.

Use your radio for additional hearing practice.



Keep radio volume at level customarily used by those with normal hearing; the hearing aid will provide the necessary amplification without distortion. Try the various tone control settings

just as you did with speech and see which position lets you hear more instruments or more tones than before in orchestra music. Be wary at first about listening to newscasters and announcers, as they will probably speak too rapidly for you to follow them. However, after you have had practice in listening to speech, you will find that announcers and newscasters provide excellent hearing practice, since they usually speak very clearly. And remember again that you mustn't be surprised if you can't

follow their voices at first. As you learn to identify sounds, you will eventually be able to follow even rapid speech.

Next, start learning to focus on the sounds you want to hear. Practice following one person's conversation while others in the room are talking or while the radio is playing. At first all of the sounds may seem to be only a blur of noise. It is much the same as if you were looking at a street with numerous electric signs, and were concentrating on no particular sign. The result is a blur of vari-colored light. But, if you focus your attention on *one* sign, you will see it distinctly and the other signs will fade into a relatively unimportant background. You can do much the same thing with sound by making a conscious effort to focus your attention only on the sounds you wish to hear.

Next, start practicing the use of your hearing

aid in public places. Visit the movies or theater. Choose a seat in the first 12 rows or toward the front of the balcony—never *under* a balcony—and practice until you can enjoy the voices and music coming from the stage or screen.



In an office typewriters may sound like machine guns; or in a theater, the rattle of programs may kill the music at first. At times you will think something has gone wrong with your hearing aid. You may hear a strange hissing sound when on the street. If you look around you will probably find that it is the sound of the tires of passing cars. Or a similar sound at home or in the office will simply turn out to be someone tearing paper.

Just remember that strange sounds are normal, and have a meaning if you will look

around to find their meaning. At times these sounds may become so unwelcome that you will want to turn off your hearing aid and rest. Eventually, however, you will probably not have to shut them out, but will simply ignore them as others do.

If your ear is discharging, an air conduction hearing aid should not be worn. *See your doctor.* See him also if your ear is filled with impacted wax. It's wise to call on him at regular intervals anyway, and particularly when you have a cold or sinus attack, since these are two of the worst enemies of hearing.



But now, refer to the following pages, and become thoroughly acquainted with the remarkable little instrument that will be your faithful trustworthy friend for many years.

follow these
step-by-step

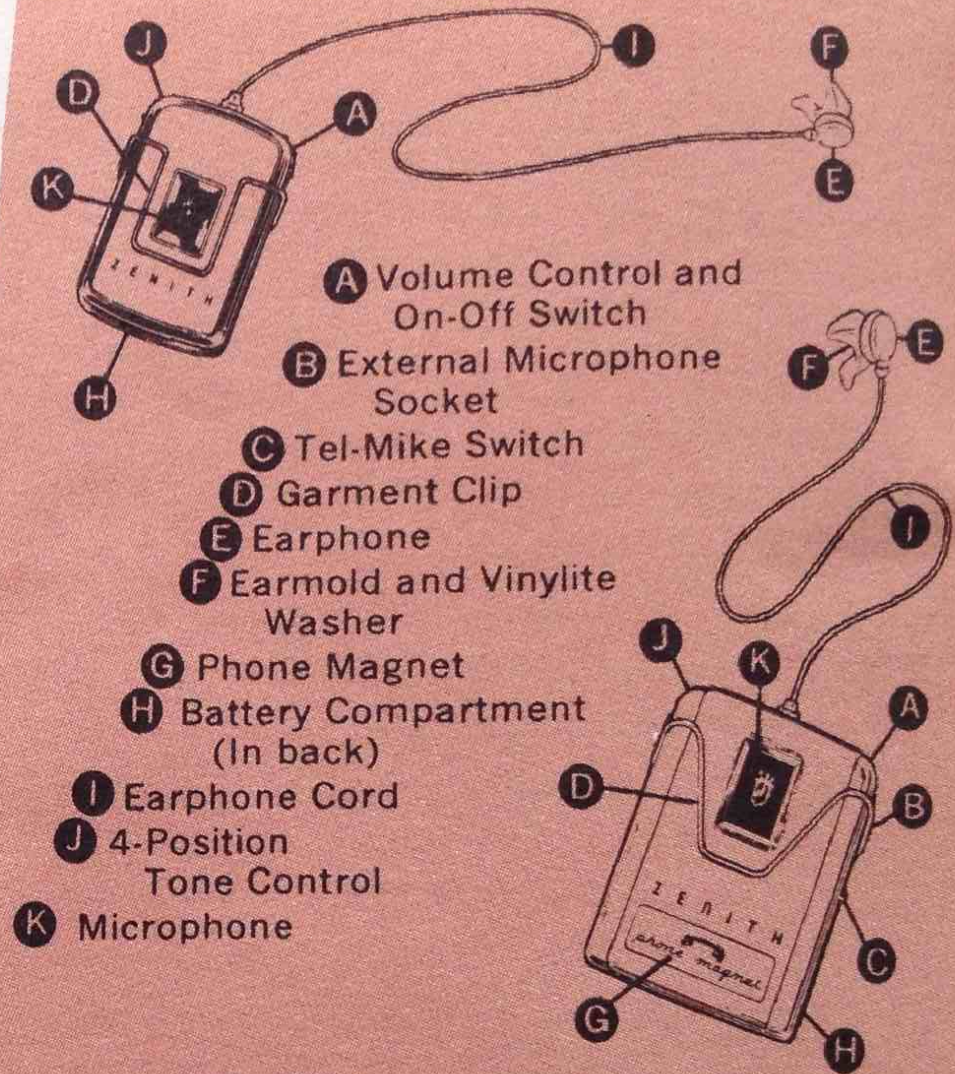
DIRECTIONS

to get maximum
help and enjoyment
from your
Zenith hearing aid

KNOW *your hearing aid thoroughly*

Whether you purchased a Zenith "Royal-M," "Royal-T®" or "Super Royal-T" hearing aid, you can be sure of years of outstanding hearing enjoyment if you operate and care for the aid properly. Read this book carefully; it will guide you to the truly fine hearing your Zenith can provide. NOTE: Contact nearest Zenith office if factory acknowledgment of instrument's registration does not reach you within 30 days after purchase date.

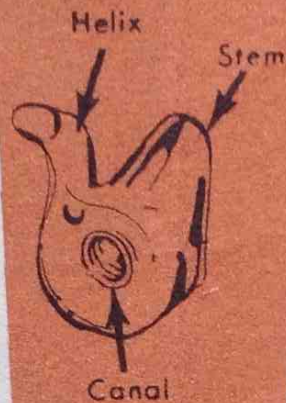
First, identify the controls and other parts of your hearing aid. The lower illustration at the right shows Zenith's famous "T" series. (The "Royal-T" and "Super Royal-T" are identical except for operating power and battery complement.) The extra-small "Royal-M" is illustrated above.



"TEL-MIKE" switch on side of "Royal-T" and "Super Royal-T" hearing aid should be set at "MIKE" position when aid is being used other than with telephone.

examine the earmold
provided with your aid

The lightweight, finely-built earmold included with your instrument was selected for you from a group of 10 stock sizes designed to fit most people. While this stock earmold will generally give satisfactory service, a custom-made earpiece offers much greater comfort and efficiency. Ears are much like fingerprints—no two are exactly the same. That's why it's wise to ask your Zenith dealer to arrange to obtain a genuine Zenith custom-molded earpiece for you—one made specifically to fit *your* ear and ear canal.



how to attach earmold
to earphone

For maximum efficiency, use only Zenith "T" series earphone marked T-1, T-2, etc. on metal cover. Earphones supplied with Zenith vacuum-tube aids will *not* perform properly with transistor models.

Be sure a red vinylite washer is placed around the earphone nozzle, then insert nozzle into opening in base of earmold. Snap mold and phone together. *Note:* The washer helps provide an airtight seal, preventing whistle and squeal; if a whistling sound is heard with one washer in place, it can often be eliminated by adding an extra washer or two.

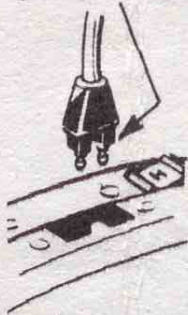
how to attach earphone cord

"Royal-M"

A special Zenith polarized earphone cord is packed with the "Royal-M." It is the *only* type of cord that can be used with this aid.

Always insert *black* plug into hearing aid cord socket so that *groove* in plug faces rear of hearing aid...*away* from microphone. *Clear* plug fits only earphone socket, and should always be inserted so that *ridge* of plug points toward *plastic side of earphone*. Connectors will not grip properly if ridge faces metal side of 'phone.

GROOVE



RIDGE



"Royal-T"

Either plug can be inserted in "Royal-T" cord socket without loss of efficiency.

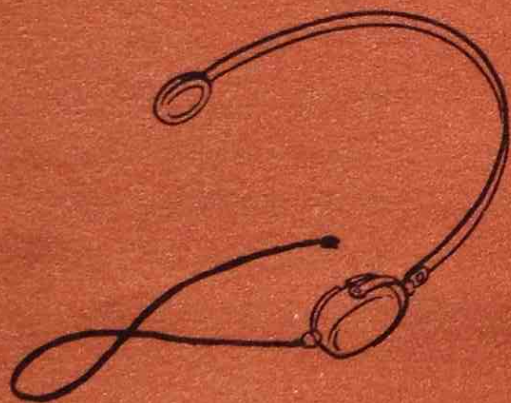
how to insert earmold



Be sure Volume Control of hearing aid is at "OFF" position. Grasp earmold between thumb and forefinger, placing stem of mold in ear canal. Gently press earmold into ear, using a slight, back-and-forth twisting motion. Pull out and down on earlobe; helix of earmold will slip snugly into helix of ear.

how to use
the **BONE**
CONDUCTION

receiver



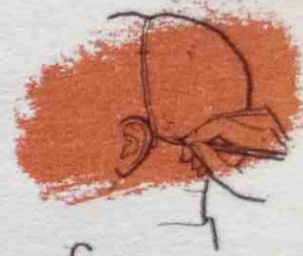
To assure correct tension on the receiver, the instructions given here should be followed exactly. *Figures A and B:* With Volume Control of hearing aid in "OFF" position, place bone conduction unit on head as illustrated. If necessary to re-shape the headband, bend band with fingertips until it fits head snugly. *Figure C:* The free end of the headband may be cut to length if desired so that it does not extend below an imaginary line running through the middle ear. *Figure D:* Notice that the headband should not touch the head in the area within an inch of the ear. Your Zenith Hearing Aid and the bone conduction receiver can be cleaned with a dry cloth; a damp (not wet) cloth will clean the cord.



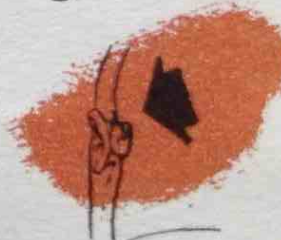
A



B



C



D

So simple to

ADJUST YOUR AID

for best results

No other hearing aid surpasses the versatility of tone-volume response at instant command in your new Zenith. You personally adjust the aid for your best hearing—and this is as it should be because only *you* can tell when the aid has been adjusted to give the particular hearing help you need. No expensive, quasi-professional “fitting” by a hearing aid “consultant” or “expert” is necessary with a scientifically-designed Zenith!

4-position tone control

Zenith's 4-Position Tone Control is designed to provide the tone response you find most helpful.

POSITION F—Amplifies full range of sounds covered by the instrument.

POSITION H—Emphasizes high tones, cuts down low tones.

POSITION M—Amplifies medium tones without undue emphasis on highs or lows.

POSITION L—Boosts lows, cuts down highs.

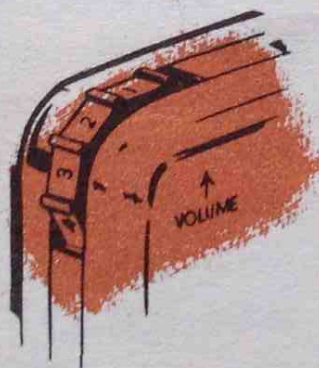


Although you will soon choose one Tone Control position that performs almost ideally everywhere, you may find that switching to a different setting will suppress “background” noises in certain locations.

fingertip volume control

Zenith's famous fingertip Volume Control allows you to regulate the degree of sound amplification delivered by the instrument.

You will notice that it is a sensitive accurate control, permitting you to change volume quickly and conveniently. The control wheel is indexed from 1 to 7 and has small projections so that it is easy to change volume setting even when aid is worn under clothing. The "ON-OFF" switch is incorporated in the Volume Control; instrument is off when arrow on back of case points directly to word "OFF". When instrument is not in use, always rotate volume control wheel to "OFF" position to avoid exhausting batteries.



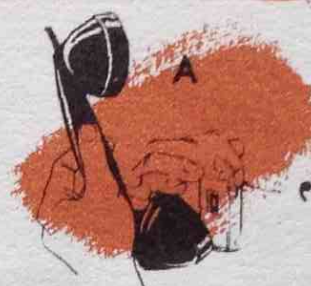
how to find correct tone-volume setting

The combination of tone response and sound amplification you will need depends upon (1) the particular type and degree of your hearing loss, and (2) acoustic conditions in different surroundings. To find the one tone-volume setting that provides excellent performance under nearly all conditions, follow this procedure while aid contains a *fresh* battery! It is helpful to have a friend present to assist you.

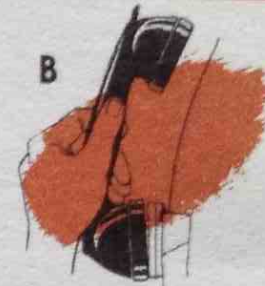
- A. Set side switch at "MIKE" position if using a "Royal-T" or "Super Royal-T."
- B. Set Tone Control at Position "F," Volume Control at Number 1.

- C. Have friend speak in a normal tone of voice from a distance of 6 to 8 feet.
- D. *Slowly* advance Volume Control until you can hear your friend's voice clearly.
- E. Do not move Volume Control beyond point where you can hear words clearly. Some people tend to use too much power at first. This causes distortion of sound.
- F. Experiment with all 4 Tone positions to see which gives best results. For each change in Tone, set Volume at lowest position providing satisfactory hearing. Remember that Volume Control must be advanced proportionately as battery weakens.

How to **USE YOUR AID**
with the **TELEPHONE**



"Royal-M"



There are two ways of using the "Royal-M" with the telephone. Experiment and determine the one most satisfactory to you:

Figure A: Cup hand over telephone ear-piece and hearing aid microphone so as to form a sound chamber or "acoustic cavity." To alter loudness or tone of sound, change size of chamber by keeping cupped hand steady while varying distance of telephone mouthpiece from lips.

Figure B: Press telephone earpiece tightly against hearing aid microphone so as to eliminate outside noises.

"Royal-T" and "Super Royal-T"



Both Zenith "T" models are equipped with the Zenith Phone Magnet that cuts out all airborne sounds when telephone is being used... is equally effective with upright or cradle phones because it utilizes the *magnetic field* around the receiver instead of sound waves. To operate,

flip side switch to "TEL" position, (*Figure A*) holding rim of telephone earpiece against Phone Magnet panel (*Figures B and C*)

Since each telephone has an individual and somewhat different magnetic field, you must find the point of maximum loudness for *each* telephone you use. Simply move earpiece of telephone horizontally and vertically over plastic Phone Magnet panel until you find the position that provides best results. The efficiency of the Phone Magnet is not impaired when the aid is worn under clothing.

After telephone conversation, be sure to return switch to "Mike" position!

earphone inserts cushion loud sounds

You may find sudden loud or sharp sounds difficult to tolerate when first learning to wear an aid, particularly if your hearing loss is mild. Zenith has developed three special plastic earphone inserts that reduce *peak* loudness only, making the aid more comfortable for those who are sensitive to sudden noises. Three inserts are packed with your aid:

The red insert reduces peak power by 87%, the green insert by 75%, the black insert by 50%.

Ask your dealer to demonstrate the inserts, or simply try them in the earphone as shown below. Inserts are conveniently removed from earphone with tweezers.



How TO CHANGE BATTERY

with any Zenith hearing aid...

Always revolve battery back and forth in compartment two or three times at the beginning of each day. This scrapes terminals clean and helps eliminate contact noises.

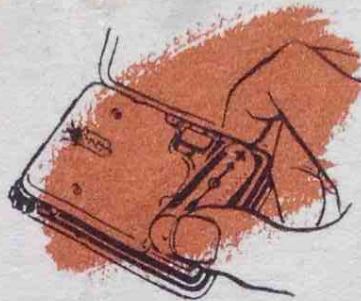
Royal-M



The "Royal-M" operates from one extra-small, economical 1.5-volt dry cell which has an average service life of about one week. While the Zenith "N" cell is recommended for maximum service life and economy, other brand batteries of equivalent size and electrical characteristics can be used.

To insert battery, simply press negative (—) end against contact spring at right of case, then push down positive (+) end. To remove, press battery against contact spring at right side of compartment and lift positive end.

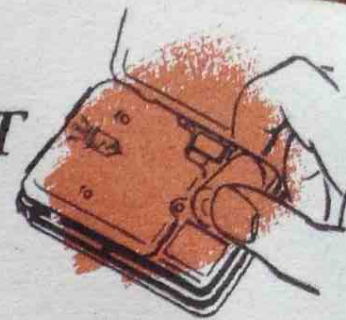
Royal-T



The "Royal-T" operates from the especially designed Zenith "RT" 1.5-volt dry cell which lasts the average user about one month. Other brand batteries of equivalent voltage and size can be used, but their service life may vary somewhat from the one month figure, and their performance may not prove as satisfactory.

To insert battery, press positive (+) end against spring contact at right of compartment, then push negative (—) end down. To remove, press battery against spring contact and lift negative end first.

Super Royal-T



The extra-powerful "Super Royal-T" requires a 2.6 volt mercury battery which has an average service life of about two weeks. While the Zenith "ZB-1" cell is recommended, other brand batteries of equivalent size and electrical characteristics may be used. To insert battery, press positive (+) end against spring contact at right of compartment, then push negative (—) end down. To remove, press battery against spring contact and lift negative end first. *Inspect mercury battery daily, and remove promptly if leakage is detected.*

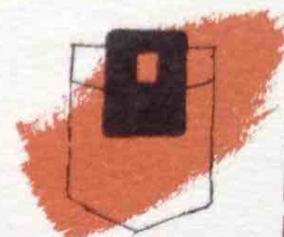
how to use the

GARMENT CLIP

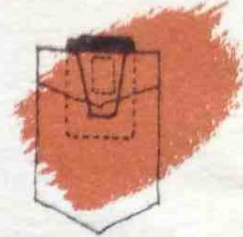


The garment clip may be mounted on front or rear cover as desired. To remove clip, push either side away from aid until end of clip clears mounting hole, then lift off. To replace, insert end in mounting hole, then pull clip across to opposite hole. Hold firmly so that tension does not snap clip off hearing aid. To avoid scratching covers, guide ends of clip toward mounting holes without scraping the metal.

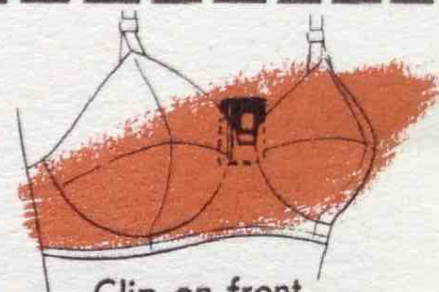
snap it on!



Clip on back




Clip on front



Clip on front

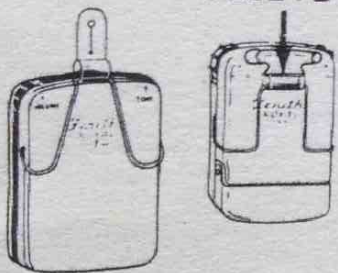
To wear hearing aid outside of a shirt or coat pocket, simply attach clip to back of instrument. To wear inside of pocket or brassiere, attach clip to *front* of instrument so that microphone will face away from body.




button it on!

An ideal button-on carrier when clip and strap are in positions shown.

PLASTIC SLEEVE



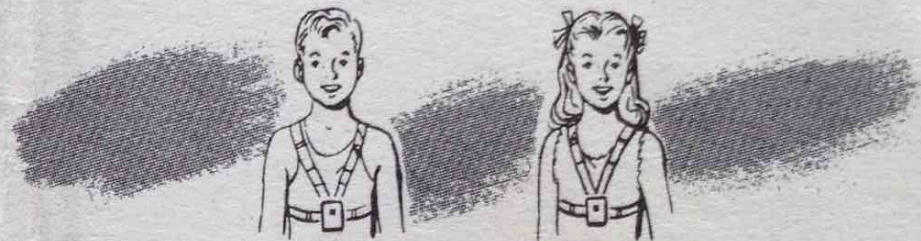
Clip must be in position shown for either button-on or pin-on use.



pin it on!

Particularly suited for undergarment use, the clip may also be attached to outer clothing.

*A complete line of
undergarment carriers...*



Although the scientifically-designed Zenith garment clip is the most convenient and flexible means of wearing the hearing aid, there are some people who may want the greater security of an undergarment carrier. A carrier may be preferred for use by children and by adults who engage in occupations requiring strenuous physical activity.

The hearing aid dealer from whom you bought your Zenith aid will be pleased to show you a complete line of Zenith-quality undergarment carriers and demonstrate their use.

always use genuine
Zenith accessories

Batteries and accessories bearing the Zenith label are made to the same rigid standards of quality and efficiency as Zenith instruments. They are designed specifically for use with your Zenith instrument...added to Zenith's line only after they have been tested and proved better both in the laboratory and in actual hearing aid use. Don't accept substitutes! Genuine Zenith Batteries and Accessories are handled only by authorized Zenith Hearing Aid Dealers.



*the external microphone
for "Royal-T" and "Super Royal-T"*



Zenith's external microphone is designed to eliminate noise caused by clothing rubbing against the screen of the regular, built-in microphone. It is available at moderate extra cost as an accessory for the Zenith "T" series only; the extra-small "Royal-M" does not include provision for this feature.

Men wear this attractive, smartly-styled accessory fastened to a tie or coat lapel; women attach it to dress, suit, or other apparel. Ask your Zenith Hearing Aid dealer for a complete, courteous demonstration.

Zenith custom **EARMOLDS**

An accurately molded custom earpiece will provide maximum comfort and acoustic efficiency. Ask your Zenith dealer to take an impression of your ear and arrange for a genuine Zenith custom earmold...built to Zenith's rigid quality specifications and warranted for a full year!



Regular
Earmold

regular earmold

Comfortable, lightweight mold offers peak acoustic efficiency.

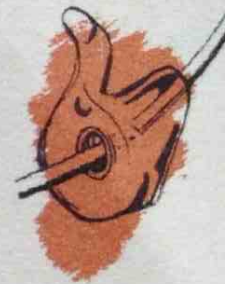
"phantom" earmold

In addition to having the regular earmold, some people like to use a "phantom" mold on occasion. Earphone can be worn in a woman's hair or under a man's shirt. Usable only by those who have a relatively slight hearing deficiency.



"Phantom"
Earmold

how to care for your earmold



Your earmold—whether phantom or regular—must be kept clean and free of wax in order to conduct sound properly. Remove wax from canal of mold with pipe cleaner whenever it accumulates. Once a week wash the earmold in warm, soapy water. Always remove the earphone before immersing mold in water. *Do not use very hot or boiling water* or any strong solvent such as alcohol. This will ruin your earmold.

After cleaning, use clean, dry pipe cleaner to remove all traces of water from canal and plastic tubing of "Phantom" molds. Inspect "Phantom" mold frequently for cracks in tubing, and be sure no moisture remains after cleaning.

How to CARE FOR your hearing aid

Your Zenith Hearing Aid is sturdily constructed and will stand up well under all normal use. However, it is a delicate precision instrument and should not be treated carelessly. Handle your aid as you would a fine watch or eyeglasses. Never allow it to lie in hot sunlight, or radiator, in a closed automobile exposed to the sun, or near any source of high temperature. Our guarantee does not cover such abuses.

Rotate battery in compartment

Battery should be revolved back and forth in its compartment with thumb at least once a day to scrape terminals clean and eliminate contact noises. Make a habit of doing this first thing each morning.



Tighten battery contacts

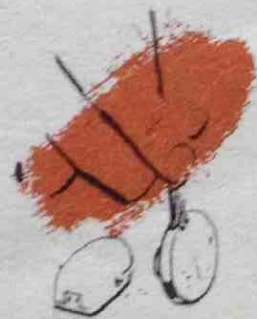
Batteries may occasionally vary in length. Short batteries cause poor, loose contact, resulting in noise. To remedy this condition, expand contact spring at right of battery compartment until battery fits snugly.

Clean terminals with ammonia

In the event that battery terminals or hearing aid contacts become corroded, brighten them by rubbing with cloth dipped in household ammonia. Should battery leakage occur, always remove battery fluid *promptly* with cloth dampened with ammonia.

Clean receiver contacts

Remove any corrosion that forms on cord plug terminals and socket holes with small brush saturated with carbon tetrachloride.



ONE-YEAR WARRANTY

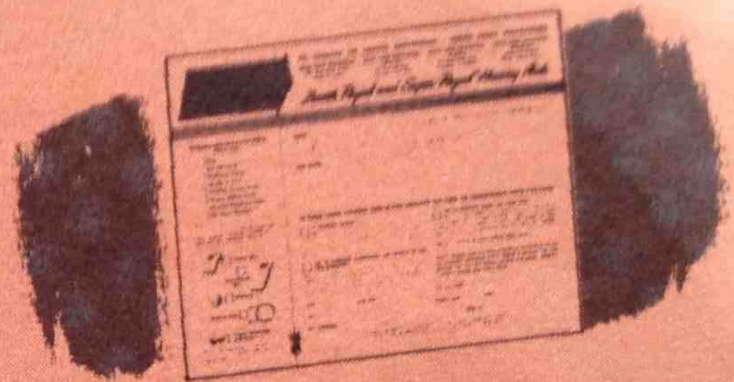
Zenith Hearing Aids are warranted free of defects for one year! Zenith will replace any defective parts* arising in connection with normal usage in accordance with the terms of our warranty.

FIVE-YEAR SERVICE PLAN

Any time after 1 year and within 5 years from the date of purchase of a new Zenith Hearing Aid, the aid will be reconditioned completely, if it is shipped, prepaid, to the Hearing Aid Division of Zenith Radio Corporation, Chicago, Illinois; Zenith Radio Corporation of New York; or Zenith Radio Corporation of California. This includes replacement of all defective parts* of the complete Hearing Aid, for from \$12.50 and not to exceed \$21.50, dependent upon prevailing labor and material costs to Zenith. At present (April, 1954) the charge is fixed at \$15.00.

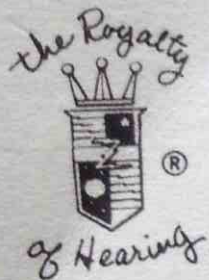
Following the placing of the instrument in its original operating condition, it is again guaranteed against defects in workmanship and parts* arising in connection with normal usage for one full year!

**Exclusive of batteries and earphone cords.*



SERVICE

Like any other precision instrument, the time will come when your Zenith will require experienced attention. If, when this happens, the suggestions given in the instructions do not correct the difficulty, send the aid to the nearest Zenith office for service (see Repair Order Form) or contact your local Zenith Hearing Aid Dealer. Many times you will find that your dealer can make the repairs promptly. If factory service is required, he can provide you with a "loaner" unit for use during the time your instrument is being repaired.



ZENITH[®]

... makers of the World-Famous
Zenith Television and Radio Sets
The Royalty of Hearing[®]

ZENITH RADIO CORPORATION

Hearing Aid Division—5801 West Dickens Avenue
Chicago 39, Illinois

ZENITH RADIO CORP. OF NEW YORK

Hearing Aid Division—527 West 34th Street
New York 1, New York

ZENITH RADIO CORP. OF CALIFORNIA

Hearing Aid Division—724 South Spring Street
Los Angeles 14, California

ZENITH RADIO CORP. OF CANADA, LTD.

Hearing Aid Division—1165 Tecumseh Road, East
Windsor, Ontario, Canada

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how to use your

new **ZENITH[®]**

3-TRANSISTOR

HEARING AID

