

**RUMBLE FILTERS FOR HI-FI SYSTEMS**

# **RADIO & TV NEWS**

**AUGUST  
1957  
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*World's Leading Electronics Magazine*

**23  
PAGES  
ON  
HI-FI**

**HIGH POWER VS  
LOW POWER AMPLIFIERS**

**SUNSPOTS MAR  
TV RECEPTION**

**OPERATION JUPITER**

**WOBBLED SCANNING  
WITH A NEW CRT**

**"ULTRAFLEX"  
SPEAKER ENCLOSURE**

**A NEW FM KIT  
FOR HI-FI**

**FRINGE-AREA  
FM RECEPTION**

**HI-FI FOR HYER** ➔  
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X-35-16962-89  
AYMOND A BARON  
6619 N E 40TH ST  
RKLAND WASH



# NEW

# Pilot

## 14 WATT

(28 watts, peak)

## HIGH FIDELITY AMPLIFIER

with built-in preamp



Model AA-903B

## \$79.95

slightly higher  
west of Rockies

complete audio system in  
handsome modern enclosure

## FEATURES:

- phono and tape-head equalization
- loudness and volume controls
- rumble and scratch filter switches
- independent bass and treble controls
- hum-free dc on preamp tube heaters
- less than 1% harmonic distortion at 14 watts from 20 to 20,000 cycles  $\pm 1$ db
- all-metal enclosure with brushed brass finish and burgundy trim

## PILOT RADIO CORP.

Dept. DG-8, 37-06 36th St., L.I.C. 1, N.Y.

Send complete information about  
the new Pilot AA-903B Amplifier

Name \_\_\_\_\_

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## COVER STORY

# Hi-Fi For Hyer

*Film star finds assembling her own hi-fi system  
relaxing after her arduous movie-making chores.*

THE current availability of a wide variety of excellently engineered assemble-it-yourself kits has lured individuals without one scrap of technical "know-how" into trying their hands at putting at least part of their hi-fi systems together.

Miss Martha Hyer, whose next starring vehicle is Universal-International's "My Man Godfrey," is not one whit intimidated by the thought of assembling her own amplifier for her home music installation. Taking advantage of the fact that the "PERI-50" amplifier kit incorporates etched circuitry and many other aids to easy and trouble-free assembly, Miss Hyer finds that "do-it-yourself" hi-fi is fun. When the amplifier is finished, her home music system will be complete since she has already purchased the required preamp (not shown) which will be hooked up with the Metzner "Starlight" turntable to drive the James B. Lansing "Harlan" speaker system.

### The "PERI-50" Amplifier Kit

The amplifier Miss Hyer is assembling is rated at 50 watts continuous and 100 watts peak. It provides a frequency response  $\pm 5$  db from 6 to 60,000 cps and  $\pm 1$  db from 20 to 35,000 cps. The kit, which uses a deep-etched photoelectronic circuit board, can be assembled in ninety minutes without any special tools or equipment, according to Printed Electronic Research, Inc. of North Hollywood, Calif., the manufacturer. The kit comes complete with the required soldering iron to make the job even easier.

Design-wise, the "PERI-50" is based on the well-known Mullard circuit and in many respects might seem to be similar to the "Dynakit" manufactured by Dyna Company. This is not the case despite the fact that the output transformer used in both amplifiers is the Dynaco A-430. There are several significant points of difference in the two units.

(Ektachrome by Peter J. Samerjan)



### "Starlight" Turntable

The turntable Miss Hyer selected for her system is the "Starlight" made by Metzner Engineering Corp. of Hollywood. The specially designed, four-pole motor and center drive mechanism gives the unit its speed stability while providing the desirable variable speed range. A built-in stroboscope permits exact settings of 16 2/3, 33 1/3, 45, and 78 rpm and continuously variable control from 16 to 83 rpm. The 12" precision-machined turntable has a built-in, self-retracting 45 rpm hub so that any record can be played without searching for accessory spindles, etc. The non-slip cork pad, which is used instead of a flocced turntable, protects valuable discs from scratches and lint accumulation.

The transcription arm features an exclusive "double-wrist" action while the counter-balanced head insures minimum mass for good tracking and reduced record wear. Any standard cartridge will fit in the arm.

### Speaker System

The final link in the reproducing chain is the James B. Lansing multiple/corner-reflex enclosure, the "Harlan C39."

A handsome enclosure of modern design, the Model C39 is spacious enough to house up to four 12" speakers. The cabinet will fit snugly into any corner, a feature most women appreciate for its unobtrusiveness and utilization of what often proves to be waste space in the living room. Like most audiophiles, Miss Hyer enjoys all kinds of music ranging from the latest pop tunes, calypso, through light classics, to the deep symphonic works. With the sound system she has carefully selected, all of the discs in her record library receive realistic reproduction. The frequencies that are cut into the disc are available at the speaker, unchanged and undistorted—the way it should be.

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