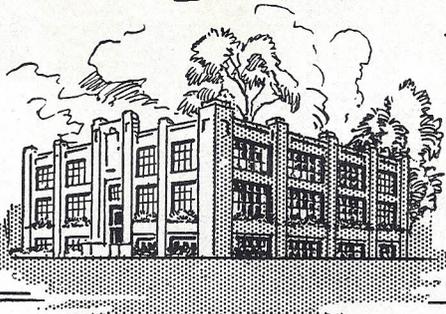


The Scott News



Vol. 7

OCTOBER, 1934

No. 8

First Announcement Of An Amazing New Instrument!

SCOTT RESEARCH ENGINEERS PERFECT DESIGN WHICH COMBINES
HIGH FIDELITY WITH HIGH SELECTIVITY AND
WORLD-WIDE RECEPTION RANGE

Without question, the announcement contained in this issue of the "SCOTT NEWS" will create deep interest, not only among those who are interested in a modern receiver for use in their own home, but also among radio engineers generally.

The heading describes the three qualities which are combined in this new instrument—High Fidelity with High Selectivity and World-Wide Reception Range.

It has been very generally believed in radio engineering circles, that one of the "impossible" things to combine IN ONE RADIO INSTRUMENT, is a high degree of selectivity and sensitivity with true high fidelity, and most any radio engineer will "prove" to you, with pencil, paper and figures, that such a combination is "impossible."

It is not at all a difficult matter to design a receiver which has very fine tone, provided it is not necessary that it be particularly selective or have a very high degree of sensitivity, but it is quite a different matter to design an instrument which combines HIGH FIDELITY, with such a high degree of selectivity and sensitivity, that the most powerful locals can be tuned out and distant stations on adjacent channels tuned in.

However, here it is, another Scott Research Laboratory achievement, high fidelity with high selectivity and sensitivity combined in one instrument, once again proving that the "impossible" problem can generally be solved by expert research, conducted along the right lines.



THE WESTMINSTER

What "High Fidelity" Means

"High Fidelity" is a name being very widely publicized at the present time by many prominent radio manufacturers, to describe what is supposed to be a new development in the radio engineering field. However, stripped of its mystery, "High Fidelity" is simply a name for a receiver which will reproduce faithfully and naturally, with a "high degree of fidelity," all of the sound frequencies within the audible range, or in other words, a radio receiver with superior tone, certainly something that can hardly be classed as "new."

Why World Famous Musicians Purchase Scott Receivers

SCOTT RECEIVERS have been famous for years for their "High Fidelity," or clear, natural tone. Some of the most prominent musicians, not only in this country but also in

Europe, have not merely told us they consider that a Scott Radio Receiver has the finest tone they have ever heard, but have proved their sincerity in this expression of opinion, by purchasing them for use in their own homes.

Men such as Maestro Arturo Toscanini, Conductor of the New York Philharmonic Symphony Orchestra, Lieut. Charles Benter, Leader of the U. S. Navy Band, Guy Lombardo, Leader of the Royal Canadians, Rudy Valleé, Leader of the Connecticut Yankees, and many other leaders in the musical world, have all purchased SCOTT ALLWAVE FIFTEEN RECEIVERS during the past year, and are all enthusiastic owners.

The fact that so many of our receivers go into the homes of critical music lovers and musicians whose names are known and honored throughout the world, has been a constant source of inspiration, and has spurred us on in our research work to develop a radio receiver as near perfection as skillful human hands and brains can make it.

Naturally, this means not only a radio which will bring in local broadcast stations with "High Fidelity," but one that is selective and sensitive enough to reach out and bring to you the foreign broadcast stations of the world, with loud speaker volume and good tone. A very conclusive proof of the world-wide reception range of SCOTT RECEIVERS in the homes of their owners, will be found on the back page of this issue of the "NEWS."

Perfect Reproduction Limited by Cabinet Sound Chamber

The SCOTT ALLWAVE FIFTEEN is without question, the most highly advanced design in radio receivers available today, and I believe an actual comparison will show that it is built with greater precision, and from higher quality material than any other receiver with which it can be compared.

Reproduction from the speaker of the actual receiver itself either in ours

or any other radio, has always been limited to a certain extent by the box we call the sound chamber, in the cabinet.

When listening to the SCOTT ALLWAVE FIFTEEN outside a radio console, with the speaker attached to a simple baffle, reproduction is practically perfect. However, place this receiver and speaker inside a radio console of standard design, and the tone immediately seems to change, making you realize that while the reproduction is very good, it is still a mechanical instrument that is bringing to you the voice of the speaker or the instruments of the orchestra.

We Take Singer's Voice Out of the Barrel—The Orchestra Out of the Box

We knew that some day the answer to the problem of how to eliminate this impression of mechanical reproduction would be found somewhere in the design of the sound chamber in the console itself. So, along with the research work carried on continuously in perfecting in every way the actual Scott Receiving instrument, we have at the same time been carrying on experimental work in our Acoustical Laboratories, with every size and arrangement of sound chamber, size and type of baffle, and early this month found the answer to the problem we had been seeking so long—a sound chamber design that takes the voice of the singer or speaker out of the barrel, and that brings the instruments of the orchestra out of the box.

By closing your eyes you find it difficult, when you listen to the new SCOTT ALLWAVE FIFTEEN in a Scott Console with the new sound chamber, to realize that you do not actually have the pleasure of the singer in your home in person, or the orchestra itself playing before you right in your own room.

I feel sure the most severe critic of radio reproduction will experience a new and distinct thrill, when he listens to the amazing, natural tone,

that will come to him from this remarkable new instrument.

New Development Given Name

Dozens of names were suggested to describe this new development, but none seemed to do justice to what had been accomplished. For this new instrument we wanted a name that would actually convey something of the new charm of its clear cut tone. The tone is so natural and clear that we do not think a name can be coined that will actually describe it. However, the one finally chosen gives some slight idea of just what this new sound chamber design, in combination with the new SCOTT ALLWAVE FIFTEEN, does in radio reproduction. The name finally adopted was—"TONETRUTH," for it brings to you tone that is all truth—ACTUALITY.

Future Radio Console Designs

This new "TONETRUTH" sound chamber provides the final touch that is necessary to produce the most natural reproduction of the human voice or a musical instrument, that has ever been heard from a radio receiver. From the Scott Laboratories, during the past ten years, have come many outstanding developments in radio. Perhaps the most outstanding proof of their advanced design will be found in the fact, that while most manufacturers have only recently introduced "ALLWAVE" receivers, EVERY SCOTT set for the past FIVE AND ONE-HALF YEARS, has been an ALLWAVE. In introducing to the radio world this new radio instrument, the SCOTT ALLWAVE FIFTEEN, in combination with this new SCOTT console design incorporating the "TONETRUTH" SOUND CHAMBER, we pioneer still another development and make SCOTT RECEIVERS more than ever, "The World's Finest Custom Built Radio Receivers."

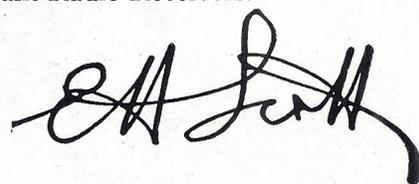
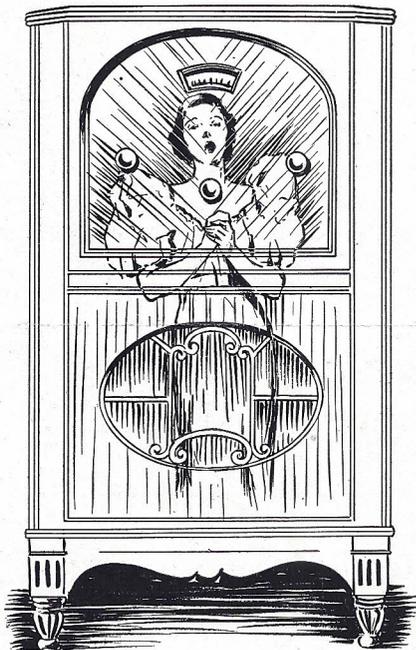
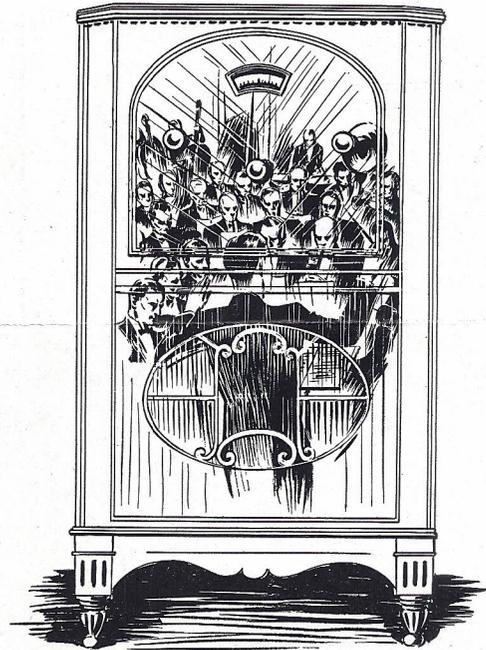


Illustration Of Effect Of New "Tonetruth" Sound Chamber In Combination With New Scott Allwave Fifteen In Reproduction Of Voice and Music



THE VOICE OF THE SINGER AS HEARD FROM A REGULAR TYPE OF RADIO RECEIVER AND CONSOLE SOUNDS AS THOUGH ARTIST IS SINGING THROUGH A BARREL, GIVING VOICE A MUFFLED SOUND.



A LARGE NUMBER OF THE INSTRUMENTS IN THE ORCHESTRA ARE NEVER HEARD FROM REGULAR TYPE RADIO RECEIVER AND CONSOLE—THE VERY HIGH AND VERY LOW NOTES ARE LOST INSIDE CONSOLE.



THE VOICE OF THE ARTIST AS HEARD FROM NEW SCOTT ALLWAVE FIFTEEN AND NEW "TONETRUTH" CONSOLE SOUND CHAMBER COMES TO YOU AS IF ARTIST WERE ACTUALLY BEFORE YOU IN PERSON.



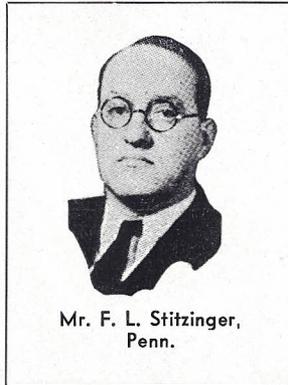
EVERY INSTRUMENT FROM THE DEEPEST NOTE OF THE BASS VIOL TO THE HIGHEST NOTE OF THE PICCOLO COMES TO YOU AS CLEARLY WITH NEW SCOTT ALLWAVE FIFTEEN AS IF ORCHESTRA WERE IN THE ROOM.

A Two Year Foreign Reception Report On A Scott Allwave Receiver

We were very glad to have had the World's Fair here in Chicago this year, if for no other reason than it gave us the pleasure of visits from hundreds of SCOTT Owners from all parts of the country. Last month we had a visit from a particularly enthusiastic owner, Mr. F. L. Stitzinger of Erie, Pennsylvania.

Under his arm Mr. Stitzinger carried three large loose leaf books in which he had neatly pasted the verifications of 1651 programs, from 98 foreign stations, in 34 different foreign countries he has received on his SCOTT ALLWAVE RECEIVER during the two years he has owned it. To obtain these verifications, Mr. Stitzinger sent to each of the stations a detailed log of the programs he listened to.

This list of verifications proves that he has listened during the past two years, from his home in Erie,



Mr. F. L. Stitzinger, Penn.

Pa., to foreign broadcast stations in nearly every country of the world that has a short wave transmitter, and provides conclusive proof that SCOTT ALLWAVE RECEIVERS actually give their owners regular world-wide reception, not just now and again, but practically every day in the year. And what is still more interesting, these verifications prove our claim that SCOTT ALLWAVE RECEIVERS **HAVE BEEN GIVING THEIR OWNERS THIS KIND OF RECEPTION FOR SEVERAL YEARS.**

Mr. Stitzinger has kindly allowed us, not only to tabulate his reception reports, but has left with us for a few weeks his very valuable and interesting books of verifications, and we will be glad to show these to anyone interested in looking them over.

FOREIGN COUNTRIES AND STATIONS FROM WHICH PROGRAMS WERE RECEIVED AND VERIFIED BY MR. STITZINGER

Total Number of Foreign Programs Verified 1651
 Total Number of Foreign Stations Heard 98
 Total Number of Foreign Countries Heard 34

Station	Location	Times Verified
ARGENTINE		
LR4	Buenos Aires	1
LSN	Buenos Aires	17
LSX	Buenos Aires	21
AUSTRALIA		
VK3ME	Melbourne	47
VK2ME	Sydney	26
BELGIAN CONGO		
OPM	Leopoldville	4
BERMUDA		
VRT	Hamilton	31
BOLIVIA		
CP5	La Paz	1
BRAZIL		
PRA3	Rio de Janeiro	2
BELGIUM		
ORK	Brussels	2
CANADA		
VE9GW	Bowmanville, Ont.	1
VE9HX	Halifax, N. S.	1
CHNS	Halifax, N. S.	1
VE9DR	Montreal, Quebec	1
VE9DN	Montreal, Quebec	1
VE9BJ	St. John's, N. B.	1
VE9JR	Winnipeg, Manitoba	1
COLOMBIA		
HKA	Barranquilla	131
HJ1ABB	Barranquilla	5
HKF	Bogota	109
HKM	Bogota	50
HJ2ABA	Bogota	1
HJ3ABD	Bogota	1
HJ5ABD	Cali	1
HKT	Manzilas	4
HKO	Medillin	20
HKE	Medillin	3
HJ4ABE	Medillin	3
COSTA RICA		
T14NRH	Heredia	9
CUBA		
CMCI	Havana	24
COC	Havana	1
CMB2	Havana	1
DENMARK		
OXY	Skamlebark	42

Station	Location	Times Verified
ECUADOR		
HC2RL	Guayquil	2
HCJB	Quito	7
PRADO	Riobamba	25
ENGLAND		
GSH	London	1
GSG	London	1
GSE	London	1
GSD	London	1
GSC	London	1
GSB	London	1
GSA	London	1
GBS	London	1
GBW	London	33
GDS	London	1
G6RX	London	1
GCB	London	2
GBS	London	15
GBU	Rugby	26
GCW	London	1
GBB	Rugby	3
FEDERATED MALAY STATES		
ZGE	Kuala Lumpur	1
FRANCE		
RADIO COLONIAL	Paris	390
GERMANY		
DJB	Berlin	54
DJD	Berlin	1
DJA	Berlin	102
DJC	Berlin	1
DIQ	Berlin	6
DAN	Norddeich	4
DGK	Berlin	1
DENNE	Berlin	1
HAWAII		
KKP	Kauhuhu	46
HOLLAND		
PHI	Huizen	2
INDO-CHINA		
F3ICD	Saigon	37
ITALY		
HVJ	Vatican	2
2RO	Rome	63
IRM	Rome	1

Station	Location	Times Verified
JAPAN		
J1AA	Kemikawa-Cho	1
JAVA		
PLV	Bandoeng	11
PK1WK	Bandoeng	1
KENYA COLONY		
YQ7LO	Nairobi	1
MEXICO		
XAM	Mexico City	1
XETE	Mexico City	1
XEB	Mexico City	1
MOROCCO		
CNR	Rabat	2
RABAT	Rabat	17
PERU		
OCM	Lima	1
PORTUGAL		
CT1CT	Lisboa	1
CT1AA	Lisboa	14
REPUBLIC DOMINICA		
HIX	Santo Domingo	2
HIZ	Santo Domingo	1
HI1A	Santo de Los Caballeros	1
RUSSIA		
RV59	Moscow	2
REN	Moscow	1
RNE	Moscow	2
SPAIN		
EAQ	Madrid	85
SWITZERLAND		
HBL	Geneva	1
HBP	Geneva	1
HBJ	Geneva	1
URUGUAY		
CWG	Montevideo	1
VENEZUELA		
YV1BC	Caracas	4
YVQ	Maracay	1
YV3BC	Caracas	2
YV5BMO	Caracas	1
YV11BMO	Maracaibo	91
YV4BSG	Caracas	1

E. H. SCOTT RADIO LABORATORIES, Inc.
 4450 RAVENSWOOD AVENUE CHICAGO, ILLINOIS