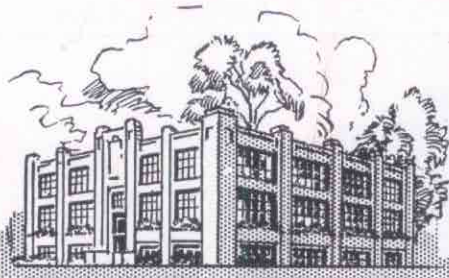


The Scott News

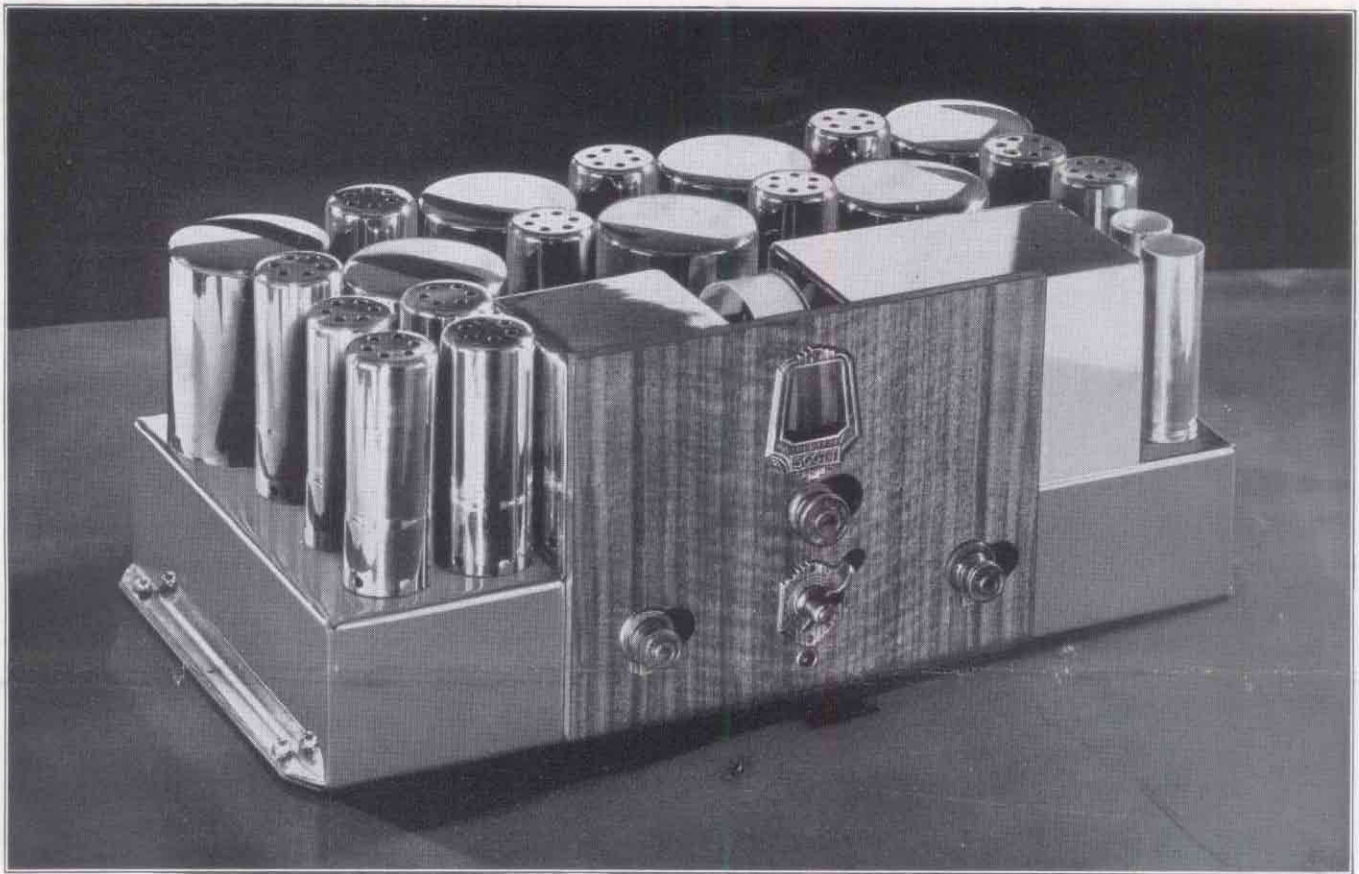


Vol. 7

MAY, 1934

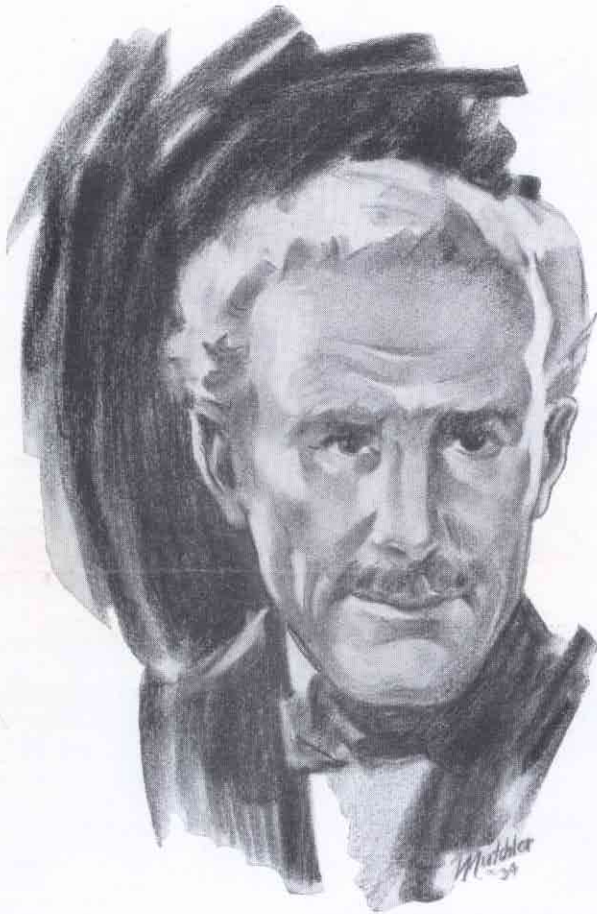
No. 3

THE SCOTT ALLWAVE FIFTEEN A SENSATIONAL RADIO RECEIVER



GUARANTEED—To outperform any other receiver in either a Laboratory or side by side reception test!

BECAUSE —It is built by more highly skilled technicians—With greater precision—From higher quality parts—Is more carefully adjusted and tested with Laboratory Precision Measuring Instruments—Is more accurately calibrated on all wave bands—Has Finer Tone—Greater Selectivity—Greater Usable Sensitivity—Greater World Wide Range—And because all claims we make we are prepared to PROVE 100%!



IN THE realm of symphonic music the name of Arturo Toscanini is known and honored in every corner of the civilized world, for the great Maestro is perhaps the dean of all Symphony Orchestra conductors. We feel that our years of research in developing the finest in radio receiving instruments have not been in vain when one of the world's greatest musicians can say of it—"Never would I have believed that it was possible to obtain such a marvelous reproduction." His tribute to the SCOTT ALLWAVE RECEIVER will always be one of our most treasured possessions.

MAESTRO ARTURO TOSCANINI
Conductor New York Philharmonic Symphony Orchestra

CABLE ADDRESS: PHILHARMON

TELEPHONE: (901) 2-4733

THE PHILHARMONIC-SYMPHONY SOCIETY OF NEW YORK
FOUNDED 1842
STEINWAY BUILDING, 113 WEST FIFTY-SEVENTH STREET

March 30, 1954.

Mr. E. H. Scott,
4450 Ravenswood Avenue,
Chicago, Ill.

Dear Mr. Scott:

Last year I had the pleasure of listening to one of your receivers in the home of my friend, Mr. Campanari, in Genova and could not help noticing the superb tone of his instrument.

Since installing your latest instrument in my suite here at the Hotel Astor, I would like you to know I have had many hours of pleasure from it. Never would I have believed that it was possible to attain such a marvelous reproduction and to you assuredly belongs the credit of having produced a miracle of perfection. What satisfies me really very much is the quality of the tone which is mellow, clear, beautiful and not confused as in other receivers which I have had before yours.

Wishing you the success which you deserve, I am

Yours very truly,

Arturo Toscanini

WHEN the stirring airs of the United States Navy Band come over the air, thousands in all parts of the nation are thrilled by its music. The man who has developed this organization into one of the world's leading bands is Lieut. Charles Benter. Recently he purchased a SCOTT ALLWAVE FIFTEEN RECEIVER, and we believe the opinion of this musical leader on its tone and performance, as expressed in the letter below, will interest the many thousands who have enjoyed the music from his band.



LIEUT. CHAS. BENTER
Leader U. S. Navy Band

THE UNITED STATES NAVY BAND
NAVY YARD

OFFICE OF THE LEADER

WASHINGTON, D.C.

30 March 1934

Mr. E. H. Scott,
President,
E. H. SCOTT RADIO LABORATORIES,
4450 Ravenswood Avenue,
Chicago, Illinois.

My dear Mr. Scott:

It is impossible for me, with my poor, limited vocabulary, to fully express to you my intense delight with my beautiful radio obtained from your Laboratories.

Every since the radio came to bless mankind with the gifts of the best in music and general entertainment, I have purchased the best obtainable from year to year, watching progress, and hoping to hear certain tonal qualities contained in the voices of the singers, and in the timbre of band and orchestra instruments.

At last my search has ended. Having tried your grand and perfect instrument, I need not look further. Can you not understand why I am so profoundly touched? It is an ideal realized. It is a vision materialized.

This marvelous instrument brings me the voices of my favorite artists with absolute sincerity and exactitude. Likewise, the most interesting band and orchestra programs come to me with their full effectiveness; and by that miracle of progress, short-wave, European programs now come through with striking vividness.

But what is the use, the most I can say does not express the smallest part of my actual delight in this marvelous radio.

Sincerely yours,

Charles Benter
Lt. Charles Benter,
Leader.

CH:C



GUY LOMBARDO
Leader Royal Canadians

WHEN the smooth flowing rhythms of the Royal Canadians come over the air, it is not necessary to wait for the station announcement to know that you are listening to Guy Lombardo and his incomparable orchestra, for immediately the lilting strains from it reach your ears, you know that such music can come only from the Royal Canadians. Guy Lombardo, their leader, purchased his first Scott Receiver a year ago, and his enthusiasm for the new SCOTT ALLWAVE FIFTEEN is shown in a recent letter to us.



The Ambassador
LOS ANGELES

March 7th, 1934

Mr. E. H. Scott, President
E. H. Scott Radio Laboratories, Inc.
4450 Ravenswood Avenue
Chicago, Illinois

Dear friend Scott:

The impossible has happened.

I thought it was humanly impossible for anyone to improve the tone quality and the performance of the Scott Radio I purchased a year ago.

However, your new model was just uncrated and set up and it is the wonder of wonders. I just can't stop raving over the tone quality and reception I am getting out here.

You have certainly made world-wide reception easy with your new dial markings.

Continued success and many thanks for a new thrill in radio which you have made possible.

Sincerely,

Guy Lombardo
GUY LOMBARDO

GL:ib

A LARGE number of the more important broadcasts transmitted by the Columbia Broadcasting System are sent out from the Columbia Playhouse in New York City. At one side of the stage is a glass enclosure in which the sponsors sit and listen to the program just as it is received over the air. The letter below from E. K. Cohan, Technical Director, tells why a SCOTT ALL-WAVE RECEIVER was selected for this "place of honor."



Columbia

 BROADCASTING
 SYSTEM, INC.
 485 MADISON AVE. AT 52ND ST.
 NEW YORK CITY
 WICKERSHAM 2-2000

May 10, 1934

Mr. E. H. Scott
 E. H. Scott Radio Laboratories
 4450 Ravenswood Avenue,
 Chicago, Ill.


Dear Mr. Scott:

I think the attached photograph, showing one of the latest type Scott receivers installed in the Columbia Playhouse, New York, will interest you.

When we recently decided to take over a regular Broadway theatre for the presentation of radio broadcasts, we naturally completely equipped the Playhouse with technical facilities of the latest type, and those which would transmit musical programs with the highest degree of fidelity.

In order that while these programs are being broadcast it would be possible to "monitor" them off the air, as well as to witness them, we made provision for the installation of a commercially obtainable receiver which would most faithfully compare in reproduction with the original rendition. I think, for this reason, the enclosed photograph will interest you, since it depicts one of your receivers occupying this "place of honor".

Sincerely,


 E. K. Cohan, Technical Director
 COLUMBIA BROADCASTING SYSTEM, INC.

EKC

Scott Owners In 106 Foreign Countries Enjoy World Wide Reception

Reception in a country like the United States with such a large number of powerful broadcast stations, is comparatively easy compared to reception in many foreign countries. Limited space allows us to show only a few of the many hundreds of enthusiastic letters received, but we have prepared a special

booklet of 16 pages of letters showing the kind of reception SCOTT RECEIVERS are giving their owners in every part of the civilized world. We will be very glad to send a copy of this to you on request. When writing ask for the booklet "Performance in Every Part of the World."

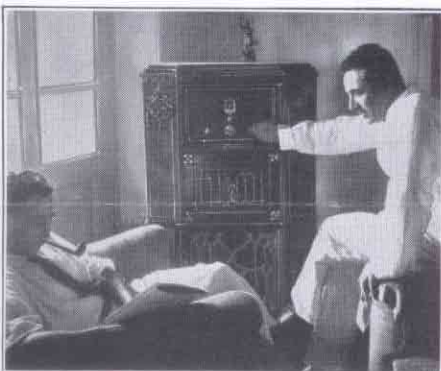
INDIA

"Your receiver came during the Christmas holidays and I enjoyed some of the finest evenings I ever had. My bungalow is now the rendezvous of all Pondichery who love music and they go home very late, or rather early in the morning, with cries of 'Wonderful,' 'Marvelous,' 'I thought it was never possible,' etc. To be far away from home in a place like this where entertainment is nil, is a sacrifice of many things which make life worth living. But since I have your receiver all is changed as I can hear Europe every night and finest music just as if I were there."—Marius Ehny, Pondichery, India.

CEYLON

"The appearance of the set is simply wonderful, too good for words, and the tone quality is splendid. All who listened to the set are unanimous in their praises. London stations—GSE, GSB, GSC, GSF—were all so loud that my friends would not believe it was a foreign station and most of all—London. This could easily be heard for about 150 yards. I have also received Moscow, DJC and innumerable other stations which I have not identified yet. Sydney came in very well. Selectivity is the last word on the SCOTT. Speech and music cannot be expressed in words."—T. Bruce Collette, Colombo, Ceylon.

CHINA



PROF. GUALDI, HONGKONG, CHINA

"I take this occasion to inform you of what great pleasure I have derived from my new Scott Radio set.

"It is indeed the best set I ever heard. Being a professional musician myself I am in a position to better appreciate the tone qualities of the instrument.

"Your set enabled me to get in touch with the European musical world. After ten years' absence from Europe, you may easily realize what this meant to me.

"All of the European short wave stations of importance and also most of the American ones are heard at loud speaker volume. During the Winter we were able to register in an hour's time 43 European stations."—Prof. Gualdi, Hongkong, China.

FRANCE

"The set was installed at my home last week and is performing beautifully. As a professional musician I naturally appreciate first of all the exceptionally good tone quality you have incorporated in the SCOTT ALLWAVE which makes it a faultless musical instrument. As concerns the other technical aspects of its performance, they are truly remarkable. I am able to pick up and separate almost every station on the broadcast band. On the short waves I have had excellent results. W3XL also comes in with a 'bang' whenever that station is on the air."—J. M. Robinault, Paris, France.

ARGENTINA



SENOR PABLO VENDEMIATI
BUENOS AIRES, ARGENTINA

"I am very well satisfied with the good reception obtained with your SCOTT ALLWAVE RECEIVER. I have tried many receivers before but none of them could be listened to on short waves as I have a difficult place for radio reception.

"However, on the short waves on my SCOTT I heard in the afternoon with good volume stations from Germany, London, Spain, W3XAL at Boundbrook, New Jersey, and a large number of the radio amateur stations situated in Chile, Uruguay, Paraguay, Brazil, Rio de Janeiro, Lima, Ecuador, etc.—all heard with good loud speaker volume.

"When I went abroad I had not received the set and you can imagine how happy I felt when I saw not only its fine appearance that is marvelous, but its unequalled reception. During my trip I visited England, France, Spain, Germany, Switzerland, Belgium, Holland and Austria, and I can tell you that I have never seen a set like yours nor heard anything that can be compared to the fine tone quality you possess in your receiver."—Pablo Vendemiati, Buenos Aires, Argentina.

ITALY

"I have been using your set for ten days and I am not only fully satisfied but I wish to congratulate you for having designed such a splendidly satisfactory set. I have owned many receivers (even of the latest type and considered of the best) but none has given me the same satisfaction as yours, and I am glad to own one. It is a receiver which stands out above all others from every point of view and in every respect. I have succeeded in hearing Rio de Janeiro, which I have never been able to do with any other receiver. Its reproductive quality is special, as I realized immediately. It would be useless to mention all its other qualities which you already know, and I may say in conclusion that the SCOTT ALLWAVE clearly stands out among all the receivers I have owned and heard. This is also the opinion of the various technicians who have heard it."—Frosco Morandi, Florence, Italy.

ENGLAND

"We feel that we must congratulate you on the new SCOTT ALLWAVE RECEIVER. It is really a pleasure to operate, and the appearance of the receiver is very pleasing. The accuracy of calibration on the short waves is almost uncanny and, of course, the shadow tuning is almost perfect."—T. A. Wilen, London, England.

URUGUAY

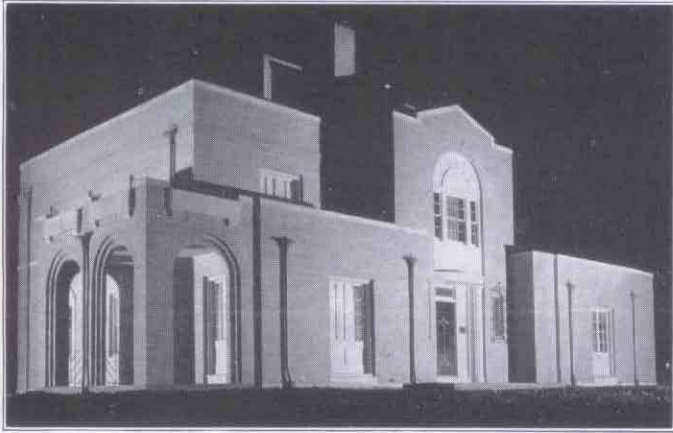


MARCIAL FRANQUIZ,
MONTEVIDEO, URUGUAY

"The results we have obtained from the SCOTT ALLWAVE RECEIVER are unsurpassable. As soon as we received it and had it installed in accordance with your instructions, it operated at once in perfect condition. This receiver gives extraordinary performance both on long and short waves. Aside from its great selectivity, it has tremendous volume and perfect tone. In regard to reception on short waves, we have tuned in perfectly Spain, Italy, Switzerland, France, England, Holland, Australia and a great many U. S. stations. We take this opportunity to congratulate you for this marvelous SCOTT ALLWAVE RECEIVER."—Marcial Franquiz, Montevideo, Uruguay.

The World's Most Modern Home

SCOTT ALLWAVE FIFTEEN SELECTED FOR
INSTALLATION IN "THE HOME OF TOMORROW"



THE "HOME OF TOMORROW" AT MANSFIELD, OHIO

The home that has just been completed by the Westinghouse Electric and Manufacturing Company at Mansfield, Ohio, seems to indicate that the servant problem will not be a very difficult one in the homes of the future, for by simply pushing a button, a magic wand is waved, and an electrical servant will do your work for you.

You get your first idea of what the home of the future will be like when you drive up to the garage, for without stopping your car you press a button on your dashboard, a signal from the radio in your car sets in motion some mechanism behind the garage doors which immediately open and you drive right in. Pushing another button on the wall of the garage closes the doors.

But suppose you are visiting this wonder home—You press the door bell and in a few seconds a voice seems to come out of the air asking who the caller may be, for the whole house is wired with loud speaking telephones. This feature is not going to make it easier for the Fuller brushman, or canvasser, but it undoubtedly will save a lot of time for the lady in the "home of tomorrow!"

No matter what the weather is like, be it below zero in Winter, or 100° in the shade in Summer, the air inside this magic home is so completely air conditioned it is always just as comfortable and healthy inside as a warm Spring day. On the roof is a pent house which you can enjoy all the year 'round, for it is heated electrically during the cold weather by means of panel heaters embedded in the plaster. The cooling system, of course, makes it a perfect place to spend a hot afternoon in the Summer.

The kitchen will delight the heart of the house-wife. After the delivery boy places your groceries in a special door, you press a button and a conveyor system brings the parcels to the kitchen table. Of course, an electric dish washer eliminates the dish washing problem. When your meal is ready to serve you can, if you wish, place it on an electrically heated service cart, press another button and the sliding doors between the kitchen and the dining room fly open. No matter what you cook in the kitchen, be it cabbage, garlic or fish, no trace of the disagreeable aroma will reach any other room, for an exhaust fan system in the kitchen makes sure that no odors will reach any part of the house.

The laundry is, of course, very completely equipped. Clothes chutes connect to it from all floors, and the washing machine, wringer and dryer, does the manual labor. The ironing board is in

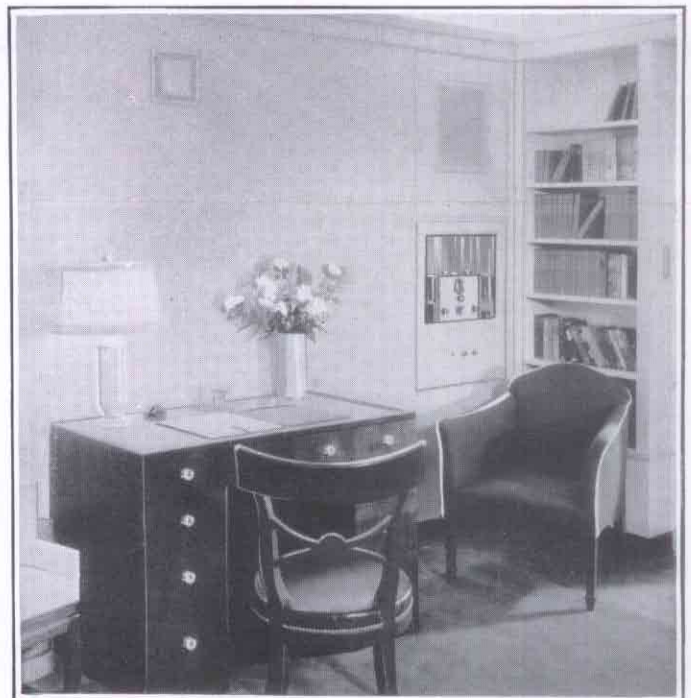
a concealed cupboard. When you open the door, down comes the ironing board and the current is automatically switched on to the iron. Pressing finished, you close the door and the current is automatically switched off again.

And "The Home of Tomorrow" is a safe home to live in, for it is equipped with a very ingenious burglar lighting system. This is controlled from a switch located in the bed room and is on a flexible cord which can be kept under the pillow if desired. A flick of this switch and immediately 22 lights are turned on, brilliantly illuminating not only each room in the house but also two flood lights on the exterior.

The illumination in the home is another very wonderful part of it. In the dining room the main lighting unit provides a variety of colors for working, reading, and recreation without eye strain. A system of switches in the walls permits the selection of varied color tones. For example—The lady in the house may select the color which goes with her gown or complexion and know she has created just the right effect.

The cupboards, refrigerators, etc., are lighted when their doors are opened. The sides of the windows in the living room when lighted create an effect of daylight coming from the outside, and the mirrors in the bed rooms, bath rooms and entry hall, instead of using the regular type of lighting fixtures are illuminated at the sides and top providing a brilliant light, yet without a trace of glare or shadow.

Of course, for this "Home of Tomorrow," they selected for the radio installation, the world's finest receiver, The SCOTT ALLWAVE FIFTEEN!



SCOTT ALLWAVE FIFTEEN INSTALLED IN
"THE HOME OF TOMORROW"

The World's Fair

VISITORS FROM ALL PARTS OF THE WORLD COMING TO CHICAGO AGAIN
THIS YEAR FOR THE GREATEST INTERNATIONAL EXPOSITION EVER BUILT

On May 26th, at Chicago, the Century of Progress Exposition will open its gates to welcome visitors who are coming to it from every part of the world. During 1933 over 22,500,000 people visited the Exposition and this year it is anticipated even a larger number will visit it.

The 1934 exposition will be even larger and more interesting than that held in 1933. An outstanding feature will be a series of foreign villages which will enable a visitor, within the short space of a few hours, to take what amounts to a trip around the world.

There will be a Swiss village which will feature a reproduction more than 200 feet high of the Alps, with peaks crowned with synthetic snow, and in the village is to be an authentic reproduction of the older parts of the city of Berne, capital of Switzerland.

In "Old England" there will be about two and a half acres of reproductions of buildings made famous in the history of England from as early as the 16th Century. Included in this will be the "Old Cheshire Cheese Inn" in London; parts of the Tower of London; the cottage of Ann Hathaway, wife of Shakespeare, in Stratford-on-Avon; Haddon Hall; and Stokes Poges Church where Thomas Gray wrote his immortal "Elegy in a Country Churchyard."

Germany will be represented with the Black Forest village in which the actual community, with its life, homes and business activities will be reproduced. There will be synthetic snow on the house tops, snow covered hills in the back ground, with a frozen mill pond in the center, where ice skating will be featured all Summer long.

There will be a Spanish village which will be one of the largest and most elaborate reproductions of a foreign village ever constructed. Historic castles and other buildings from the six most



FIREWORKS DISPLAYS ARE GIVEN EVERY EVENING

famous provinces in Spain dating back from the 16th, 17th and 18th centuries will be shown, and there will be an interesting reproduction of the famous monastery at Poblet, Spain, which houses the famous Virgin of Pilar, a shrine visited by thousands yearly from all over the world.

The "Land of the Bedouins" or the Tunisian Village with its sheiks, Bedouin tradesmen and North African craftsmen, will demonstrate their arts and handicraft in the village. There will be street bazaars, mosques, minaretted towers, and an Arab theatre where free performances will be given. Arab merchants in their picturesque garb will display brass, leather wear, pottery, glass, rich oriental rugs and other pieces of their handicraft. Typical Tunisian restaurants will serve the delicacies and beverages popular in that country.

You will see the Belgian Village which created such a sensation last year, with boys and girls in native Belgian costumes dancing in their wooden clogs.

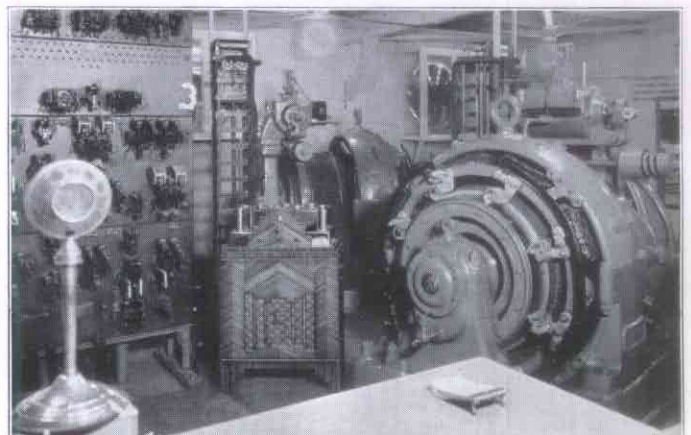
The actual production of many dozens of products in the electrical, textile, jewelry, chemical, food product and automobile industries will be shown by actual working models. The visitor may pick out the subject in which he is interested and follow it through from the beginning of the scientific experiments in the Hall of Science, right through to the exhibit of some manufacturer who will show all the operations in turning out the finished product.

Nearly all of the larger foreign governments will have a pavillion in which will be exhibited their contribution to the progress of world science, industry, and the resources, scenic attractions and industrial development in these countries.

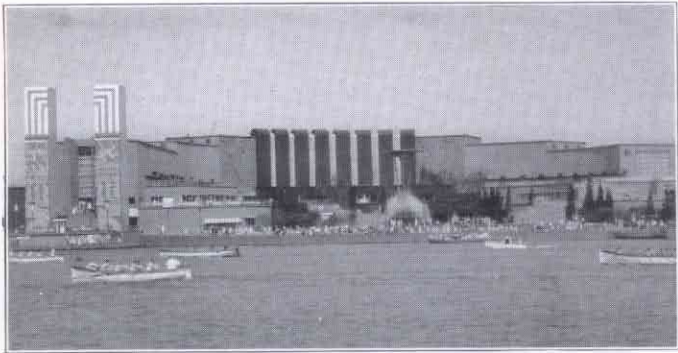
There will be all kinds of entertainment. In fact, I believe it is safe to say that nearly every type of amusement and entertainment to be seen today in any part of the world will be found at



THE HALL OF SCIENCE BUILDING WITH THE SKY RIDE AND LAGOON



SCOTT ALLWAVE RECEIVER OPERATING IN CONTROL ROOM AT TOP OF SKY RIDE



THE ELECTRICAL AND RADIO BUILDING

the Century of Progress Exposition of 1934.

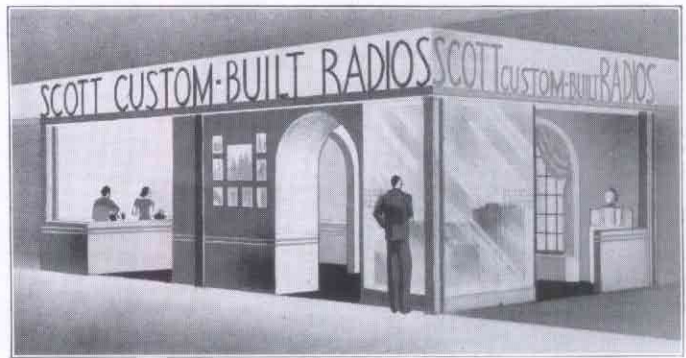
Launches, gondolas and other picturesque craft will carry you through the series of lagoons, and roll chairs and jinrikishas manned by college boys will take you from one end of the Exposition to the other. In addition to these forms of transportation there will be busses inside the Exposition Grounds which will take you to any part you desire.

Two great orchestras—The Detroit Symphony and the Chicago Symphony will give concerts, entirely free, three times a day. In addition to this there will be noted soloists, concerts, entertainment, parades, masquerades, musical festivals and ceremonies in connection with the reception of distinguished visitors day by day, that will add greatly to the interest of your visit.

And when you visit the Fair you will find in the Electrical and Radio building what we believe will be one of the most interesting exhibits at the Fair, for in our exhibit space will be found a miniature of our Laboratory, in which you will see exactly how a Scott Receiver is built and tested. The Electrical Building will easily be found, as it is located adjacent to the East Tower of the Sky Ride.

The building of our display is being carried out under the supervision of the E. W. Calvin Company who last year installed some of the most interesting exhibits at the Exposition.

Last year a Scott Receiver created a sensation in the Control Room at the top of the Sky Ride, for every day from eight to



THE SCOTT EXHIBIT IN ELECTRICAL BUILDING

twelve thousand people visited this Control Room and heard music and news coming from a radio receiver located right in the center of a mass of motors, dynamos, control contacts and other electrical equipment. They saw the motors turning, the contacts making and breaking contact, but to their amazement they did not hear a single click from this apparatus coming from the speaker of the Scott Allwave Receiver. This year you will again have an opportunity of seeing our receiver operating under these difficult conditions, so on your visit to the Fair be sure to plan a visit to the Control Room of the Sky Ride.

When you arrive in Chicago we should very much like to have the pleasure of a visit from you at our Laboratory here at 4450 Ravenswood Avenue. Two cars are at your service and if you will call Longbeach 5172 from your hotel, we will gladly send one to bring you out to the Laboratory. If you are driving your own car, drive north on Michigan Avenue along the lake on the outer drive to Montrose Avenue, which is 4400 north. Turn west through the viaduct and drive west on Montrose to Ravenswood Avenue, which is 1800 west. Ravenswood Avenue is the first street past the viaduct over the C. & N. W. Ry. tracks. If you wish you can easily visit us by taking the Elevated train, the Ravenswood Express, at any of the "L" stations on Wabash Avenue. When you arrive at the Ravenswood station, walk a half block south, and on the corner you will find the Laboratory. It takes about 20 minutes to come from the Loop to the Laboratory.



CALL LONGBEACH 5172 FROM YOUR HOTEL AND WE WILL GLADLY SEND OUR CAR FOR YOU



GENERAL VIEW OF WORLD'S FAIR SHOWING THE MIDWAY AND MODEL HOMES

Report Showing Reception Conditions During March and April

Reception during the months of March and April taken as a whole were fairly good as the report below shows. However, it will be noted that several stations which up to this time have been heard very well in the United States were not heard exceptionally during March and April. This is particularly true of the Australian station VK3ME, but reception from this station will probably improve during the Summer months. The English and German stations, taken as a whole, came thru very well, in fact, most of time here at the Laboratory we have checked the time at Noon from Big Ben in London—which comes thru Station GSB striking 6 p. m.

The report below was compiled from daily reports which have been sent in to us by Mr. Braunhold of Chicago, Messrs. Bearman and Luttmann of New Brunswick and Mr. VonVelsor of Irvington, New Jersey, and V. H. Penn of Marietta, Georgia, who have supplied

daily reports of their reception on their Scott Receivers. We also wish to thank the numerous other Scott Owners who send us weekly reports of their reception.

This reception report used in conjunction with the station schedule on the opposite page will make it a fairly simple matter for Scott Allwave Owners to listen to stations on the other side of the world.

In the next issue of the *Scott News* I hope to be able to publish a report showing reception conditions in some of the foreign countries, particularly how the stations of America are being received.

We should also like to publish a report of signal strength in some of the Western States and will be glad to receive reports from Scott Owners in that locality. Reports should show not only the stations received, but the hours you receive them and the signal strength with which they were received.

CALL	WAVE LENGTH		STATION SIGNAL STRENGTH FOR MARCH AND APRIL																												
			ILLINOIS										NEW JERSEY										GEORGIA								
	METERS	MEGS.	MARCH					APRIL					MARCH					APRIL					MARCH		APRIL						
			1st	2nd	3rd	4th	5th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	5th	1st	2nd	3rd	4th	4th	5th	1st	2nd	3rd	4th					
LSX	28.98	10.35	S	G	G	S	G	G	G	S	S	G	G	—	S	G	S	S	S	S	S	S	S	S	S	S	S	S	VS	S	S
VK2ME	31.28	9.58	F	F	F	F	G	G	G	G	S	G	G	—	G	G	F	G	G	S	—	—	—	—	—	—	—	S	G	G	
VK3ME	31.55	9.51	—	—	—	—	G	G	S	G	—	—	—	—	F	W	W	F	—	—	—	—	—	—	—	—	S	—	—		
PSK	36.65	8.9	S	S	S	S	S	S	VS	S	S	G	S	—	G	S	S	S	G	G	VS	VS	S	VS	S	S	S	S	S		
HJ1ABB	46.51	6.43	G	G	G	G	S	G	G	G	G	G	S	S	G	G	G	G	S	G	—	S	G	G	S	—	—	—	—	—	
HJ3ABF	48.00	6.25	F	G	G	G	G	F	—	—	—	—	F	—	—	—	—	—	—	—	—	G	S	S	—	—	—	—	—		
HJ5ABD	47.00	6.38	G	F	G	G	G	G	G	F	F	—	G	—	—	—	F	F	—	—	—	—	—	—	—	—	—	—	—		
COC	49.96	6.01	G	G	G	F	G	G	G	G	F	G	W	F	F	F	F	F	G	—	—	—	S	G	S	—	—	—	—		
HC2RL	45.00	6.67	G	G	G	G	S	S	S	S	G	F	—	—	F	G	G	F	G	G	—	—	—	—	—	—	—	—	—		
PRADO	45.31	6.62	G	G	G	G	G	G	S	G	W	G	—	—	—	—	—	G	—	—	—	—	—	—	—	—	—	—	S		
GSH	13.97	21.47	G	F	S	G	F	W	S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—		
GSE	25.28	11.86	G	F	F	F	F	G	S	G	G	F	G	—	G	G	S	G	G	S	G	S	G	—	—	—	—	—	—		
GSD	25.53	11.75	G	F	G	G	G	S	S	G	S	—	G	G	S	G	S	G	G	S	G	S	G	VS	F	S	—	—	—		
GSB	31.55	9.51	S	G	G	S	S	S	S	G	S	F	G	S	G	S	G	S	G	G	—	VS	VS	S	S	—	—	—	—		
GSC	31.30	9.58	G	F	G	G	F	F	S	G	S	—	G	F	G	G	S	S	S	—	—	—	VS	VS	S	S	—	—	—		
GSF	19.82	15.13	G	G	G	G	G	G	S	G	G	G	F	—	G	G	G	F	F	—	—	—	—	F	—	W	—	—	—		
GSA	49.59	6.05	G	F	G	G	G	G	G	—	F	F	S	G	S	—	VS	S	—	S	G	S	VS	S	—	—	—	—	—		
RAD. COL	19.68	15.25	F	W	F	G	F	F	G	F	F	G	F	—	G	G	F	F	F	—	—	—	—	G	—	—	—	—	—		
RAD. COL	25.20	11.90	G	F	G	G	F	G	G	G	G	G	G	S	G	G	G	F	G	G	F	F	G	S	G	S	—	—	—		
RAD. COL	25.63	11.71	F	F	—	F	G	G	G	G	—	—	F	W	F	—	G	—	—	—	—	—	—	—	S	S	—	—	—		
DJB	19.73	15.20	S	S	S	S	S	S	S	S	S	G	G	—	G	G	G	F	G	—	—	—	S	S	—	W	—	—	—		
DJD	25.51	11.76	W	W	—	F	F	G	G	F	G	F	F	F	G	F	F	F	F	G	—	—	—	—	—	—	—	—	—		
DJA	31.38	9.57	F	W	F	F	F	F	F	F	G	F	F	F	G	G	G	S	S	S	W	W	—	S	G	G	—	—	—		
DJC	49.83	6.02	F	F	G	G	G	G	G	G	G	G	S	G	S	S	G	S	S	S	G	G	VS	S	G	S	—	—	—		
PHI	16.88	17.77	F	F	G	W	W	F	G	G	W	F	W	—	F	F	—	F	W	W	G	G	G	G	G	G	—	—	—		
12RO	25.40	11.81	F	W	G	F	G	G	S	G	S	G	G	G	G	G	G	G	G	G	G	G	S	VS	S	S	—	—	—		
HVJ	19.84	15.11	—	—	—	G	G	S	G	S	G	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
XETE	31.23	9.60	—	—	S	—	G	S	S	G	S	—	—	—	—	—	—	—	—	—	—	—	—	G	—	S	—	—	—		
CNR	37.33	8.05	—	—	—	—	—	—	—	F	—	—	G	—	—	—	F	S	—	—	—	—	—	G	F	F	—	—	—		
CT1AA	31.25	9.60	—	—	—	G	G	F	F	—	S	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
EAQ	30.40	9.87	S	G	G	S	G	S	S	G	S	G	G	VS	S	S	S	G	G	S	—	—	—	F	—	—	—	—	—		
HBP	38.47	7.80	G	G	S	G	—	S	G	G	G	G	G	—	G	—	S	S	G	S	S	S	VS	VS	VS	S	—	—	—		
YV3BC	48.78	6.15	G	G	G	—	G	G	G	G	G	G	G	VS	G	G	S	G	G	S	G	F	—	—	—	—	—	—	—		
YV1BC	49.08	6.11	F	G	G	G	G	G	—	G	—	—	—	—	—	—	G	—	—	—	S	S	VS	VS	S	S	—	—	—		
YV5BMO	49.39	6.07	—	—	G	G	G	G	G	—	G	G	G	S	G	G	S	S	S	S	—	—	—	—	—	—	—	—	—		

The figures under the months indicate the weeks of the month.
 SIGNAL STRENGTH: W—Weak—Can just identify. F—Fair—Can hear fairly well. G—Good—Good Volume.
 S—Strong—Local station volume. VS—Very Strong—Extremely loud.

SCOTT ALLWAVE SHORT WAVE STATION SCHEDULES

Table with columns: COUNTRY, CITY, CALL, WAVE LENGTH (Meters, Megs.), Wave Band Color, Days of Week On Air, A.M. c.s.t. (6-12), P.M. c.s.t. (1-12). Rows list various international stations like GSH, W3XAL, W3XL, W2XAD, etc.

Short Wave Band Coverage:-

- Purple Band 1.5 to 4 Megs.
Red Band 4 to 10 Megs.
Green Band 10 to 23 Megs.

The log above gives the transmitting schedules of the principal foreign and short wave stations. The dark line drawn between the hours shows when the station is on the air. For example: Suppose you wish to listen to W3XAL on 16.87 Meters. You will note by the chart that they come on the air at 10:00 a. m. and continue transmitting until 4:00 p. m.

The foreign short wave station schedule given above is correct as printed May 1st. It will be noted that there are several changes in the above schedule as compared to the one issued in March; the most important changes being made in the transmitting hours of the English and German stations.

Big Ben will be off the air for two months to be cleaned and repaired. In its place short wave fans will hear Big Tom on St. Paul's Cathedral strike the hour.

Station GSD on 16.86 Meters is now off the air. A new station has now

come on, GSH on 13.97 Meters, 21.47 Megacycles, and may be heard between 5:00 and 7:45 C.S.T.

Station GSA on 49.9 Meters is not scheduled at the present time.

Station HCJB in Quito, Ecuador, on 73 Meters, 4.10 Megacycles, is beginning to be heard quite well here in the States between 7:30 and 10:30 p. m.

A new Australian station—VK3LR—has been heard quite regularly of late. The transmitter is located in Melbourne and it operates on 31.30 Meters, 9.58 Megacycles, and may be heard between 2:30 and 6:30 a. m. daily, except Sunday.

Foreign short wave stations generally alter their schedules and transmitting frequencies according to the seasons, on account of the fact that to get the greatest reception range certain frequencies are used to allow them to be transmitted and received during the daylight hours. You will notice in the schedule above that during the morning hours the very low wave lengths are used but as the day grows old the longer wave lengths are used.

To find E.S.T. add 1 hour
To find M.S.T. deduct 1 hour
To find P.S.T. deduct 2 hours

Chart Copyrighted 1934 E. H. SCOTT
Reproduction in whole or part prohibited.

The Scott News

Published Frequently at Chicago by

E. H. SCOTT RADIO LABORATORIES
Chicago

E. H. SCOTT, Editor

About "High Fidelity" Receivers

If you have followed the technical articles recently in the radio magazines you undoubtedly have noticed the many discussions that have been appearing on the subject of "high fidelity" receivers. One would imagine after reading these articles that this is something new in radio. It probably is, as far as the average radio manufacturer is concerned, but in the Scott Laboratory it is something we have been working on for several years. The "high fidelity" receiver is simply another name for a type of receiver that will reproduce faithfully a wide band of frequencies.



E. H. SCOTT

Designer of 'Round the World Broadcast Receivers'

Of course, the "high fidelity" receiver is the receiver of the future. In fact, as far as Scott Receivers are concerned, it is the receiver of today for with it you get an entirely new conception of just how faithfully you can reproduce from your radio, what you would hear if the orchestra or artist were before you in person.

The remarkable degree of perfection attained in the new SCOTT ALLWAVE FIFTEEN in the faithful reproduction of musical instruments will be realized after you have glanced thru the letters in this News from some of the greatest living musicians, who give their opinion on its tonal quality. The opinion of these musicians is confirmed by many hundreds of letters we have received, not only from all parts of America but from all parts of the world, congratulating us on the very wonderful tone quality of the new SCOTT ALLWAVE FIFTEEN.

It has not been either an easy or a simple matter to reach the degree of perfection we have attained in this new instrument. It was necessary to design not only a new type of R.F. and I.F. amplifier and a new audio amplifier capable of amplifying a very wide range of frequencies, but also to design a special speaker capable of reproducing these frequencies. We found that after we had developed the receiver and amplifier to the point where our laboratory measurements showed us it would reproduce faithfully every shade of tone from the lowest note on the organ to the highest note on the piccolo, that no loud speaker was available which would reproduce faithfully the wide range of frequencies our new instrument delivered to it. Accordingly, our Research Laboratory set to work and designed a special speaker, which has proved so far in advance of existing speakers, that it is now being used in a number of experimental

laboratories and broadcast station studios where the highest degree of tonal fidelity is required.

The First Allwave Receiver

However, tonal quality is only one of the many features for which Scott Receivers have been noted. For a number of years they have led the field of radio in advanced receiver design, a fact very easily proved by comparing the features in our receivers when first introduced, with the specifications of other receivers brought out a year to eighteen months later. A very striking instance of the advanced design found in Scott Receivers will be seen on comparing the features introduced in the Shield Grid 9, with other receivers brought out at the same time. This receiver was brought out in 1928, about six years ago, and a technical description of it will be found in the Citizen's Radio Call Book, 1928 Winter Edition, page 66.

This receiver, I believe, was the first practical Allwave receiver, and since that time all Scott Receivers have been "Allwave," tuning the short waves in addition to the broadcast band. Yet, the Allwave feature, as you no doubt know, has only been available in most other manufacturer's receivers within the past few months. But one would think after reading their advertisements, that an Allwave receiver was something new and recently developed, when as a matter of fact this feature has been available to all purchasers of Scott Receivers for the past six years.

Some Problems in Allwave Receiver Design

While it is true the Allwave feature now makes world-wide reception a reality, I feel that many purchasers of some of the recently introduced receivers are going to be badly disappointed in the results they will obtain from them, for the design of a receiver for reception on the short wave bands, in addition to the broadcast band, introduces an entirely different set of problems to that encountered in the design of a receiver intended for reception on the regular broadcast band only. One example of this is the amount of interference picked up from electrical equipment, etc., on exposed wiring when tuning on the short wave bands which is not found on the broadcast band. In many cases it is necessary, if quiet reception is to be secured, to erect the flat top of the antenna sufficiently high to be above the noise level, and run a shielded lead-in from the flat top to the receiver. However, the effect of a shielded antenna lead-in is completely nullified if the shielding of the receiver is not very complete, so that it excludes all pick-up from exposed wiring in the receiver itself.

A very positive proof of incomplete shielding is given when it is possible to receive local stations on a receiver when the antenna and ground is disconnected. The shielding on the Scott Receiver is so complete that when the antenna and ground wires are disconnected from the set, it is impossible to receive signals from even the strongest local stations.

New Tube Perfected

From time to time tube manufacturers introduce new tubes, and it has been the practice of the Scott Laboratory to immediately investigate them, and if they improve the performance of our receiver to incorporate them in our design. It is interesting to note that the Shield Grid 9, previously mentioned, was the first receiver to efficiently use the screen grid tube, which is now universally used in all receivers.

However, from time to time we receive letters inquiring why, if we have such an advanced receiver, that certain features which have been given wide publicity in other receivers are not incorporated in our receivers. An instance of this is the use of the 2A3 tube. This is a tube which was introduced about a year ago and was widely publicized in the various radio magazines. It had many very wonderful characteristics and seemed to be the kind of tube that manufacturers of high grade receivers had been waiting for. When it was first introduced our Research Laboratory immediately secured samples and put them thru a series of intensive laboratory tests, including the very important one of tube life. When the tube was actually operating it gave very wonderful results and improved tonal fidelity, increased handling power, etc., but unfortunately the life of the first tubes was very short and in addition to this their characteristics were not very uniform.

But a number of manufacturers immediately incorporated the tube in their receivers, without apparently first running laboratory tests on them, and quite naturally the users of these receivers soon began to experience considerable trouble. In a short time the manufacturers that adopted this tube when it was first introduced soon had to discard it. However, the tube manufacturers and receiver designers realized that the 2A3 tube, when perfected, would enable considerable advancement to be made in radio receiver design, and so have worked continuously on its development. About four months ago they announced they had at last solved all the problems in connection with it, and that they were now able to produce a tube whose characteristics would be uniform and which had life comparable to any of the other standard tubes. When this news came thru we secured samples and again conducted a very severe series of tests in our Research Laboratory, not of just one or two tubes, but of several dozen, and these tests confirmed the tube manufacturer's claim that it was at last a perfected tube. Then, and then only, was it incorporated in the design of a Scott Receiver. **I feel quite safe in making the statement that within the next few months you will find practically all of the manufacturers producing high grade receivers will announce models incorporating this tube in their receiver.**

In closing I want to extend an invitation to all who come to Chicago during the World's Fair to visit us either at our exhibit in the Electrical Building or at the Laboratory so that you may hear for yourself the new SCOTT ALLWAVE FIFTEEN, and see exactly how it is built, calibrated and tested.

Cordially yours,

