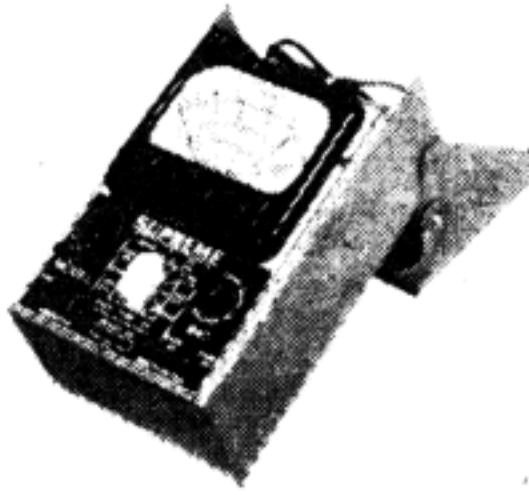


# SUPREME

TEST EQUIPMENT BULLETIN



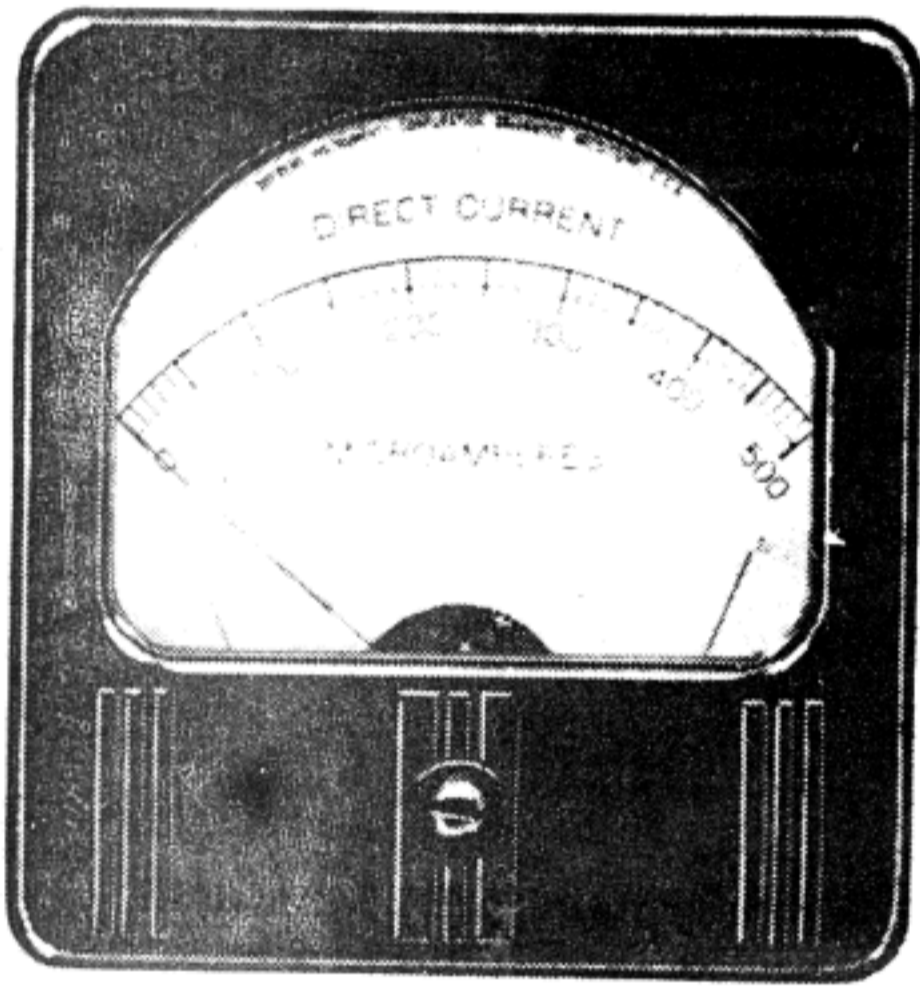
OUR 23RD YEAR

GREENWOOD, MISSISSIPPI

1950

## Instrument Incidentals

WHO BUILDS THAT FINE MOVEMENT used in the meters installed on Supreme Testing Equipment? Since so many ask this question in letters to our service division, we are proud to let it be known that---every meter used in a Supreme instrument is designed and manufactured by Supreme in its own plant. Many other manufacturers use Supreme meters in their products. Illustrated below is a typical Supreme quality panel meter.



THERE ARE A LOT OF AM SETS to be serviced and the number is still growing. Your AM test equipment will make this part of your business profitable if it is kept up-to-date.

YOUR FIRST CONTACT WITH TELEVISION will either raise or lower your prestige as a competent electronic technician. Don't risk getting into TV with inadequate equipment.

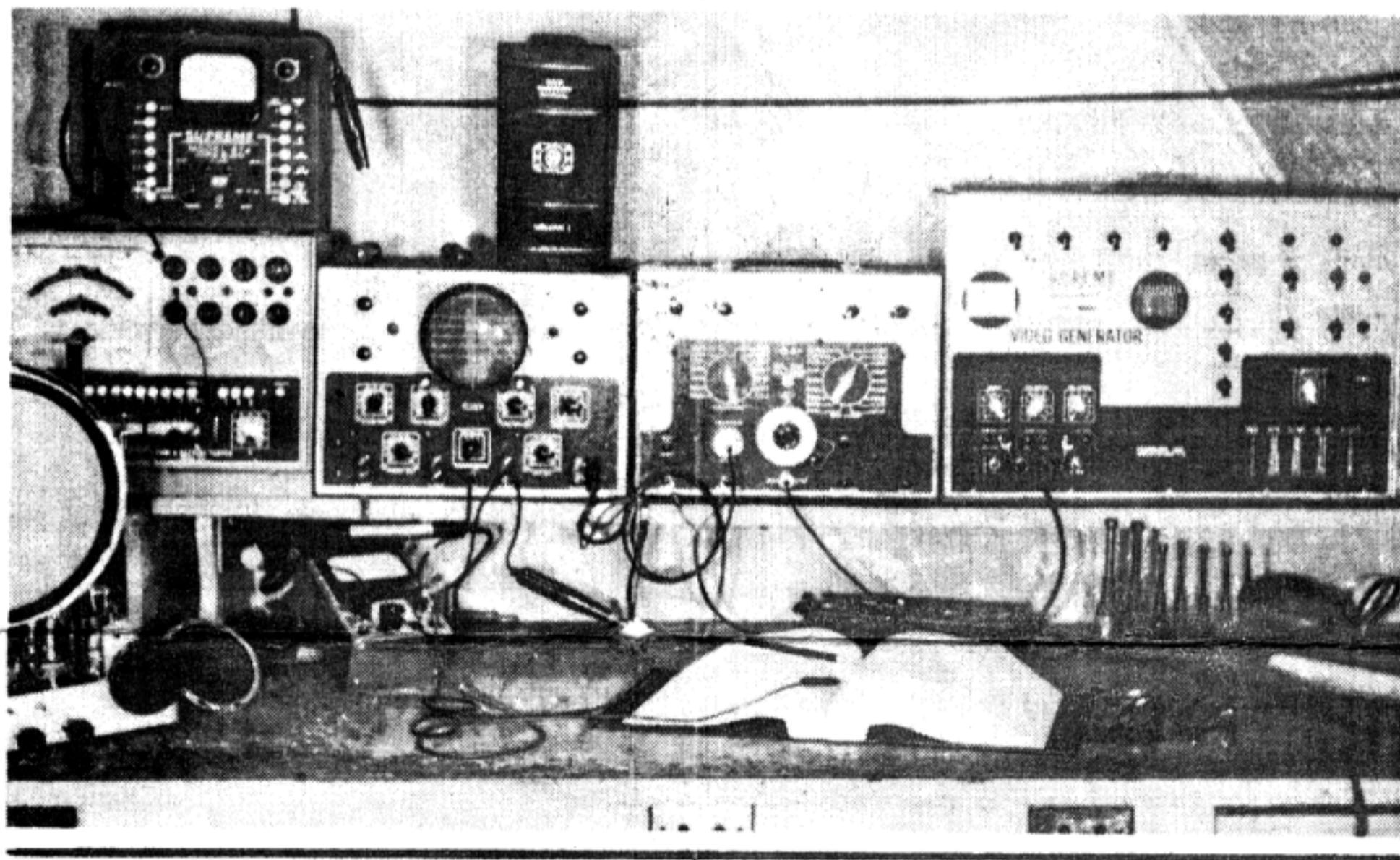
## THANKS, GENTLEMEN!

The interest being displayed in the exclusive Supreme Television Test System is an indication that the professional TV Technicians are looking to Supreme for an answer to one of their major problems---Television Test Equipment designed with a definite purpose in mind.

Your Supreme Model 660s, 665s, 675s, and 685s are on their way to you as shipments are leaving the factory every day. We also appreciate the many complimentary letters being received from users telling us that the Supreme Television Test System is a "job well done".

If there is any difficulty getting delivery from your regular parts jobber---place your order direct and the factory will ship through your nearest Supreme distributor.

## ADEQUATE TEST EQUIPMENT MEANS PROFITS



### SERVICES HAVE VALUE!

DON'T UNDERRATE THEM

### T-V Giving Electronic Technicians Chance Of A Lifetime

Television is giving the better type of electronic service technician a chance to get into the professional group. By professional, it is meant that he can collect something for his training and experience---his most valuable potential asset.

#### Cathode-Ray or X-Ray

In general, up to now, he has been paid only for his time in pulling out an old part and installing a new one or possibly making some adjustments. The knowledge, experience, and investment in test equipment to diagnose the trouble was seldom considered in charging for his services.

#### Case of 'Nerves'

The average owner of an AM or FM broadcast set does not know whether he is getting top performance or not. The ear is not as sensitive as the eye and the loss of a couple of octaves or some types of distortion will affect very few set owners nerves. Television is different. A little blurr or a jumpy picture due to incorrect adjustment of the sync circuits is hard on all TV set owners nerves and the local physicians can't help matters. It is going to take a person with training, experience, and adequate test equipment---the electronic service technician.

#### Sell Your Services

The public is sold on television---be sure that you sell them the service it requires to get the most out of their T-V investment. You won't have much competition from the neighborhood 'genius' or a poorly equipped technician, so your chances of getting the opportunity to render a real professional service in your community are better than ever before.

### LOOK FOR QUALITY DESIGN

IN TEST EQUIPMENT

### Income Is More Per Hour With Efficient Test Equipment

The factors which limit the usefulness of test equipment and keep it from being a profitable asset are often overlooked. In many cases, an instrument is bought after scanning a few unimportant "features" or listening to a convincing sales talk.

A poor investment is the inevitable result and money is tied up in an instrument which gathers dust instead of earning the profits that it should. It is not uncommon for sales literature to purposely neglect to give data which affects the limits of application. This is just as important to the future user as knowing a few things that can be done with it. Thus, the purpose of the following notes is to help the professional electronic technician recognize and compare quality features based on an outstanding design specification.

Take Tube Testers for example---Those technicians who have owned several different makes or types during their business career, know that the most important factor is EFFICIENCY. This takes into account the time required to check an average set of tubes and the accuracy of the results. By accuracy we mean the percentage of bad tubes rejected and bad tubes are those which won't work satisfactorily in the sets they were removed from. A tube tester which rejects 98% of the bad tubes after the operator has spent several hours checking the types in ten or more large sets is, of course, not as efficient as a tester that gives 95% accuracy after using only a few minutes of the technicians valuable time.

Considering the fact that the average service business checks between 20,000 and 25,000 tubes

(Continued Col. 1, reverse side)

## THE MODERN RADIO AND TELEVISION TECHNICIAN

### Electronic Service Profession Gains National Recognition.

The progress that is being made by the present day electronic service technicians is most encouraging. In the five years since the late war, he has come a long way and his position in his own community as well as in the vast electronics industry has improved considerably.

#### A New Viewpoint

A changing attitude on the part of the radio and television technician towards his associates and customers is the thing that is pulling the electronic profession out of the doldrums. As it goes into the spotlight, there are a number of factors that should not be overlooked.

#### Service Organizations

His interest and attendance at local service group meetings and non-commercial sponsored lectures indicates that he is beginning to look beyond the tip of his soldering iron. He is learning that he cannot call himself a success, as an individual, until he can look around and see others who have something to admire or compare. As long as there are other servicemen in a community, operating without scruples, and living under a 'hand to mouth' economic cycle, there is not much to measure one's success by.

#### Economic Stability

The increased number of open accounts with parts jobbers is a good indication that his economic position is on the upgrade since good credit reflects confidence and success. Regardless of his technical ability to efficiently diagnose and correct trouble in electronic devices, he, as an individual, will not be recognized by the industry and business men of his community until the majority of electronic technicians, his associates, attain some degree of economic stability.

#### Industry Reacts

It is noteworthy to see the RMA and other national trade organizations casting an interested eye in the direction of the electronic technician. Trade journals are devoting more and more space to subjects to help those who maintain the nation's electronic equipment gain more recognition as an important link in the industry.

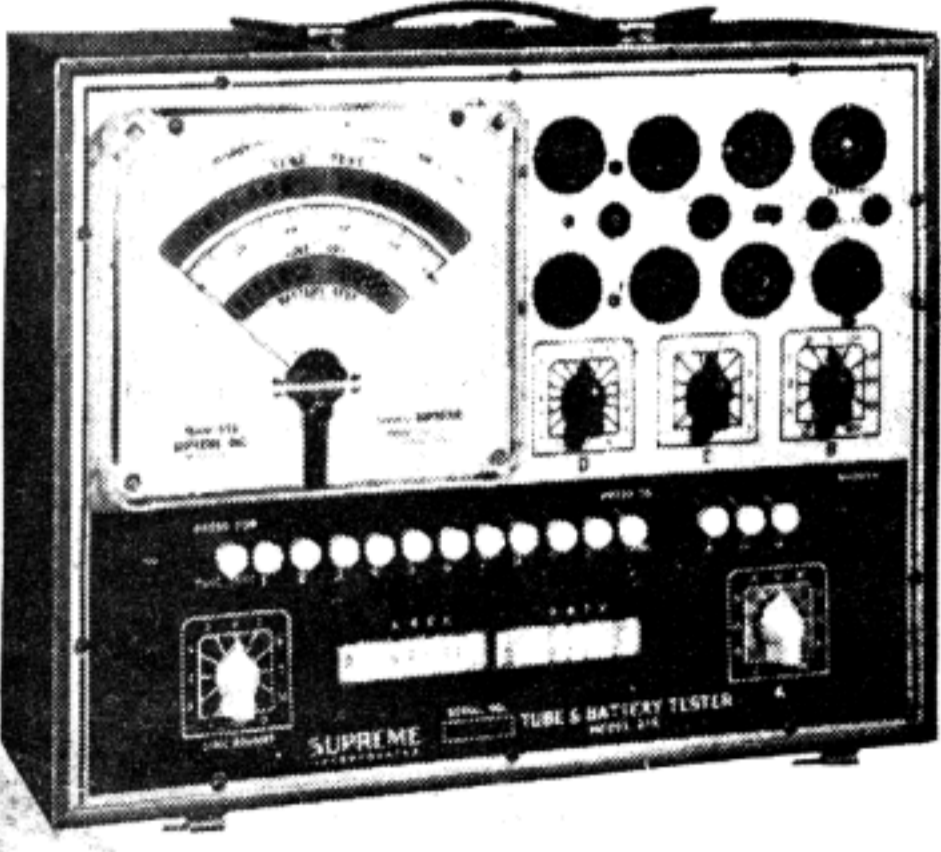
(Continued Col. 3, reverse side)

# SUPREME

Professional Test Equipment

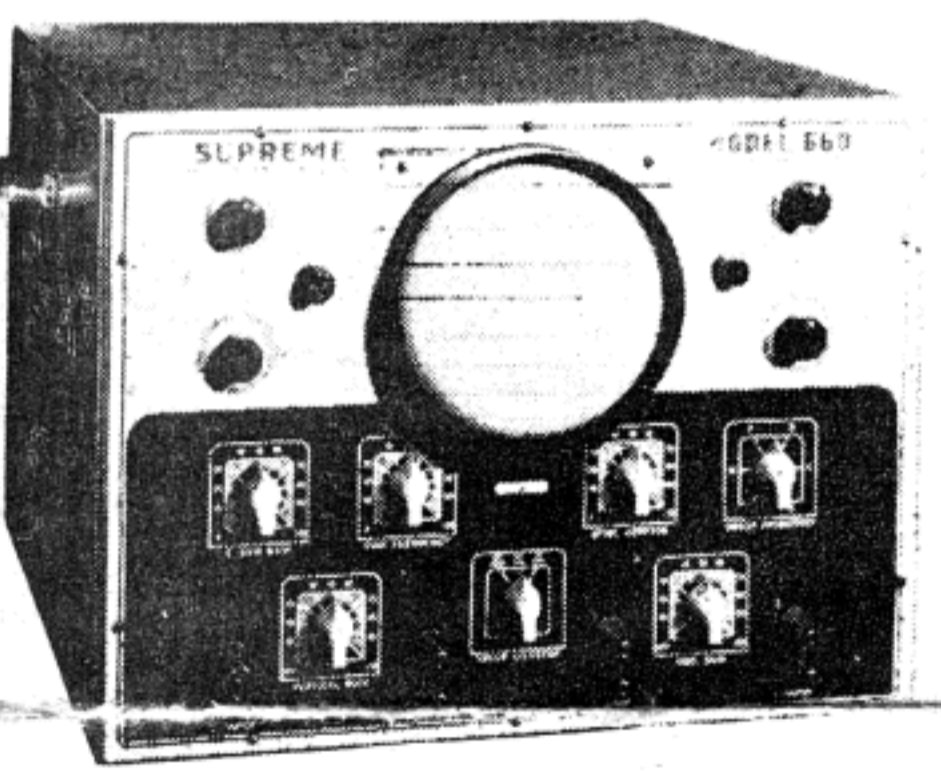
**LOOK FOR QUALITY DESIGN--**

(From column 3, page 1)  
 each year, the time he could save by using the most efficient tube tester would mean hundreds of dollars. Supreme owners have proven this point over and over again. The reason you see so many professional electronic service technicians using tube testers designed by Supreme is due to the fact that they combine EFFICIENCY with ACCURACY.



Model No. 616

Now, let's talk about oscilloscopes---Specifications in most sales literature are written as wild as a monkey at a typewriter. Most quality 'scopes have about the same performance features with the exception of THE FREQUENCY RESPONSE THROUGH THE VERTICAL AMPLIFIER and this is the outstanding basis of comparing value. By stating that a 'scope will pass 500 kilocycles, 2000 kilocycles or even five megacycles is not a particular sign of achievement. But---when a 'SCOPE IS VIRTUALLY FLAT WITHIN TWO DB FROM FIVE CYCLES TO FIVE MEGACYCLES, then you can start comparing it with the Supreme Model 660 Wide Range Vedolyzer oscilloscope.



Model No. 660

Another point to study in sales literature is the sine wave response and the SQUARE WAVE response. The Model 660 will pass with negligible clipping or overshoot a 300 kilocycle SQUARE WAVE SIGNAL. This means that the sine wave response is up to 11 or 13 MEGACYCLES. This feature alone is worth many times the purchase price and the additional cost is more than offset by the large number of applications in checking AM, FM and TV sets.

SETTINGS FOR THE FOLLOWING tube types have been changed to read:

12AX7	4	8	55	B	58
12AX7	4	8	55	B	35
12AY7	4	8	54	B	58
12AY7	4	8	54	B	35

**ADDITIONAL TUBE SETTING**

**DATA FOR 4965 CHARTS**

Tube tester owners with other than Edition Nos. 482 or 507 should install new chart.

1C3	1	1	70	B	7
1L6	1	1	38	A	7
1L6	1	1	52	A	347
1X2(a94)	1	1	60	E	8
2X2	1	3	60	E	4
6AB4	3	6	30	C	47
6AU5	2	5	21	C	37
6BH6	3	6	56	B	24
6BK6	3	6	70	C	1247
6BK6(dio)	3	6	70	B	247
6BQ6	2	6	24	C	78
6BT6	3	6	30	C	2456
6BT6(dio)	3	6	85	B	124
6BU6	3	6	31	C	2456
6G6	2	6	18	A	37
6S7	2	6	30	C	78
6T7	2	6	29	C	4578
6T7(dio)	2	6	0	B	3789

**SUPREME**  
**Tube Setting Service**

ROLL CHARTS listing most of the new tubes found in late FM, AM, and TV sets are available for Model 589, 599, and 504-B as well as the "A" series of above Supreme Tube Testers. The price of the latest chart is \$1.17. State NUMBER on chart installed in tester when requesting new chart.

ADAPTERS for checking the nine pin noval tubes on above testers are also available at \$1.50 each. Two adapters will handle most of the nine pin tubes with the exception of some special TV types.

IF YOU CANNOT GET DELIVERY on the above accessories from your regular radio parts jobber you may order directly from Supreme Service Division Greenwood, Mississippi and shipment will be made through your nearest authorized Supreme distributor or Service Station. Remittance must accompany orders to the factory. No C. O. D. requests, please.

**ADDITIONAL TUBE SETTING**

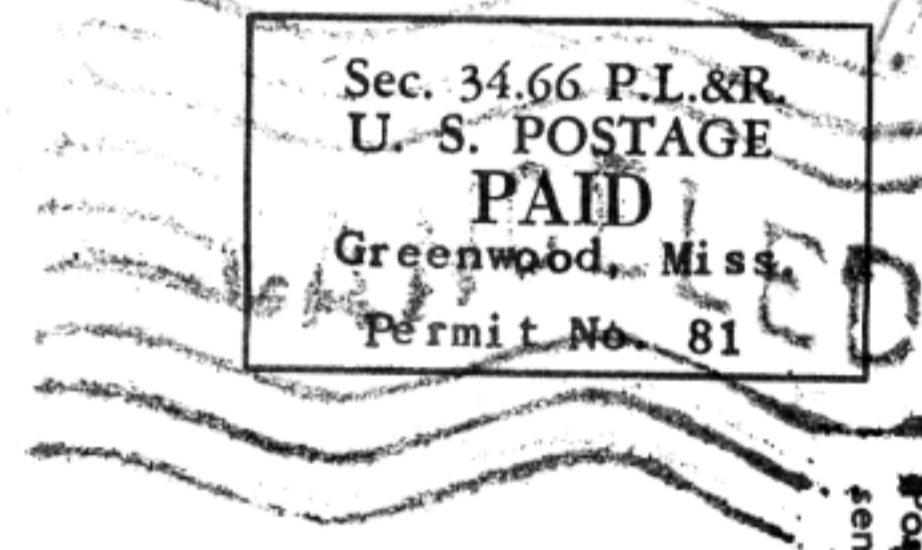
**DATA FOR 9600 CHART**

1C3	70	B	1	2	7
1L6	38	A	1	2	7
1L6	52	A	1	2	7
2X2	60	E	1	4	4
6AB4	30	C	3	7	47
6AU5	21	C	2	6	37
6BH6	56	B	3	7	24
6BK6	70	C	3	7	1247
6BK6(DIO)	70	B	3	7	247
6BQ6	24	C	2	7	78
6BT6	30	C	3	7	2456
6BT6(DIO)	85	B	3	7	124
6BU6	31	C	3	7	2456
6G6	18	A	2	7	37
6S7	30	C	2	7	78
6T7	29	C	2	7	4578
6T7(DIO)	0	B	2	7	3789
6U6	21	C	2	7	78
6Y3	60	E	2	7	7



GREENWOOD, MISSISSIPPI, U. S. A.

POSTMASTER: If undeliverable for any reason, notify stating reason, on Form 3547 postage for which is guaranteed.



Postmaster: If forwarded to new address notify sender on Form 3547. Postage for notice guaranteed.

6U6	2	6	21	C	78
6Y3	2	6	60	E	7
7E5(1375)	2	6	30	C	1468
12BK6	3	8	70	C	1247
12BK6(dio)	3	8	70	C	1247
12BQ6	2	8	24	C	78
12BT6	3	8	30	C	2456
12BT6(dio)	3	8	85	B	124
12BU6	3	8	31	C	2456
12BU6(dio)	3	8	52	A	1247
12SY7	2	8	25	C	78
19BG6(a9)	2	9	23	C	37
25BG6	2	9	23	C	37
25BQ6	2	9	24	C	38
26BK6	3	9	70	C	1247

(a94) Use adapter 4024 and 9544  
 (a9) Use adapter 3969  
 (123etc.) Normal short indication on small numbers in brackets. Denotes interconnected pins, tapped filaments, etc.

**TECHNICIANS GAIN**

**NATIONAL RECOGNITION**

(Continued from page 1)  
 An item of interest which appeared in a recent issue of the PROCEEDINGS OF THE I. R. E. was "Service Engineering For Television" by Mr. Eugene Ecklund. This article dealt with the failure on the part of many engineers to consider future service problems in the early design and development stages of radio and television sets. Since this publication reaches most research and design laboratories, the following quotation from Mr. Ecklund's article is of interest---"In looking back at the progress of the electronic servicing business, IT IS EVIDENT THAT this phase of the industry HAS PULLED ITSELF UP BY ITS OWN BOOTSTRAPS. IT IS TIME that the electronics industry GIVE IT A PUSH TO HELP IT ALONG".  
 Another article which attracts much more interest than it would have ten years ago was an edi-

**SUPREME**

Testing Instruments  
 "SUPREME BY COMPARISON"

torial by Mr. Hugo Gernsback in the April issue of RADIO-ELECTRONICS under the heading of "Unprofessional Servicing." Mr. Gernsback related an actual experience that reflected high technical proficiency on the part of many electronic technicians but the obvious lack of professional technique.

**His Greatest Asset**

All these things are very good, and in time, his technical knowledge, his most valuable asset, will no longer be obscured by his lack of interest in matters which indirectly affect his economic welfare. Then, his contribution in technical services will not go unnoticed as an asset to the progress of the electronics industry and his own community. Furthermore, his compensation in the form of better income and increased prestige will help him to gain a more substantial financial footing.



**[www.StevenJohnson.com](http://www.StevenJohnson.com)**

**Antique Technolgy, Tube Radios and Test Equipment  
Vintage Schematics, and Publications**

**Steve's Antique Technology**