

# SUPREME

## TEST EQUIPMENT BULLETIN



Our 25th Year

Greenwood, Mississippi, U.S.A.

First Quarter 1952

### TESTER TIPS

#### TOP CAP CONNECTOR

For testing the type 1B3 on the Models 504-A and 504-B, a special top cap connector is required. The stock number of this connector is 5339-1B3 and it is priced at \$0.35.

This top cap connector comes complete with connecting wire, which should be run through the rubber grommet with the AC cord and soldered to pin 4 of the 4 prong socket.

#### NEW BOOK

A new book, of interest to servicemen, entitled "Radio and Television Receiver Troubleshooting and Repair" by Alfred A. Ghirardi and J. Richard Johnson has recently been published by Rinehart Books, Inc. of New York City.

This book contains 822 pages and deals, in a very practical way, with everyday problems encountered by servicemen in the repair and alignment of radios and television receivers. It is clearly written in non-mathematical, everyday language, and will be of value to the experienced serviceman as well as those who are just starting out in service work.

#### TEST LEADS

Keep your test leads in good working condition. If they are old and worn, better replace them before they become intermittent and cause trouble.

The following types are available from our stock.

- Type 6744-45
- Pin plug-pin probe ---\$1.25
- Type 6986-87
- Pin plug-alligator ---\$1.35
- Type 4437-38
- Pin probe-elbow -----\$1.40

### NEW SETTINGS FOR SUPREME TUBE TESTERS

The settings given below are for Models 589, 589-A, 599, 599-A, 504-A & 504-B.

2C51 (a4X5)	5	6	20	C	12
2C51	5	6	20	C	18
6AB8 (a4X7)	4	6	31	C	235
6AB8	4	6	58	B	357
12AZ7	4	8	25	C	35
12AZ7	4	8	25	C	58
12BY7 (45)	6	6	18	C	145
12BZ7	4	8	25	C	35
12BZ7	4	8	25	C	58
1229	1	2	54	C	4
1276	1	5	25	C	4
1603	1	6	60	B	56
5691	7	6	33	C	38
5691	7	6	33	C	68
5692	7	6	33	C	38
5692	7	6	33	C	68
5693	2	6	27	C	57

(a4X-) Plug adapter lead into octal socket pin no.- following X in symbol.

#### REVISED SETTINGS

1LD5	1	1	56	B	48
1LD5 (dio)	1	1	90	B	68

### NEW SETTINGS FOR 600 SERIES

The settings given below are for Models 600 and 616.

2C51	20	C	1	7	29
2C51	20	C	1	7	89
6AB8	31	C	4	7	235
6AB8	58	B	4	7	357
12AZ7 (45)	25	C	9	7	345
12AZ7	25	C	9	7	458
12BY7 (45)	18	C	6	7	145
12BZ7 (45)	25	C	9	7	345
12BZ7	25	C	9	7	458
1229	54	C	1	3	4
1276	25	C	1	6	4
1603	60	B	1	7	56
5691	33	C	7	7	38
5691	33	C	7	7	68
5692	33	C	7	7	38
5692	33	C	7	7	68
5693	27	C	2	7	57

#### REVISED SETTINGS

1LC6	42	A	1	2	8
12AT7 (45)	55	B	9	7	345
12AT7	55	B	9	7	458
12BA7	18	C	4	9	35
12BA7	23	C	4	9	356

### THE AUDIO OSCILLATOR

The AF oscillator is an instrument which some servicemen regard as unnecessary. However, a good audio oscillator is definitely an asset to a radio repair shop. This is especially true if other electronic equipment is also being serviced.

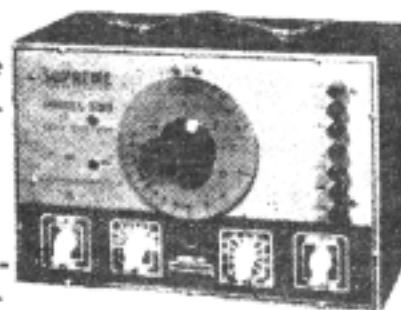
The general public, YOUR CUSTOMER, is using more and more phonographs, tape and wire recorders, hearing aids and other audio equipment, and the serviceman should be equipped to handle this type of work with maximum speed and efficiency.

A good audio oscillator, which covers the entire audio range, is a "must" for the broadcast engineer, sound technician or anyone who works with high quality audio equipment. This type equipment must not only be working, but must be distortion free and have good frequency response. This is where the audio oscillator comes in, since it provides a pure sine wave output which is variable in amplitude and frequency.

There are several types of audio oscillator circuits, but the two most common types used in commercial instruments are the R-C type circuit and the BFO type circuit.

Supreme uses the BFO type oscillator circuit. This type circuit has the advantages of a very flat output over the complete audio range. Also the entire range can be covered in one band.

A special feature incorporated in Supreme's Model 680 audio oscillator (illustrated) and Model 666 combination RF and AF



### DO YOU HAVE THE LATEST ROLL CHART IN YOUR SUPREME TUBE TESTER?

Are you running into any tubes which you are unable to test because these tubes are not listed on your roll chart?

If so, we suggest that you check the number at the top of your chart to see if it corresponds to the stock number of the latest edition, listed below.

Quite a number of additional tubes were added to this edition. If you are not already using one of these late charts, we suggest that you order one from the factory or your nearest authorized service station.

### LATEST ROLL CHARTS FOR SUPREME TESTERS

#### FOR MODELS

- 504-A, 504-B, 589
- 589-A, 599, 599-A

STOCK NUMBER 4965-518  
PRICE-----\$1.17

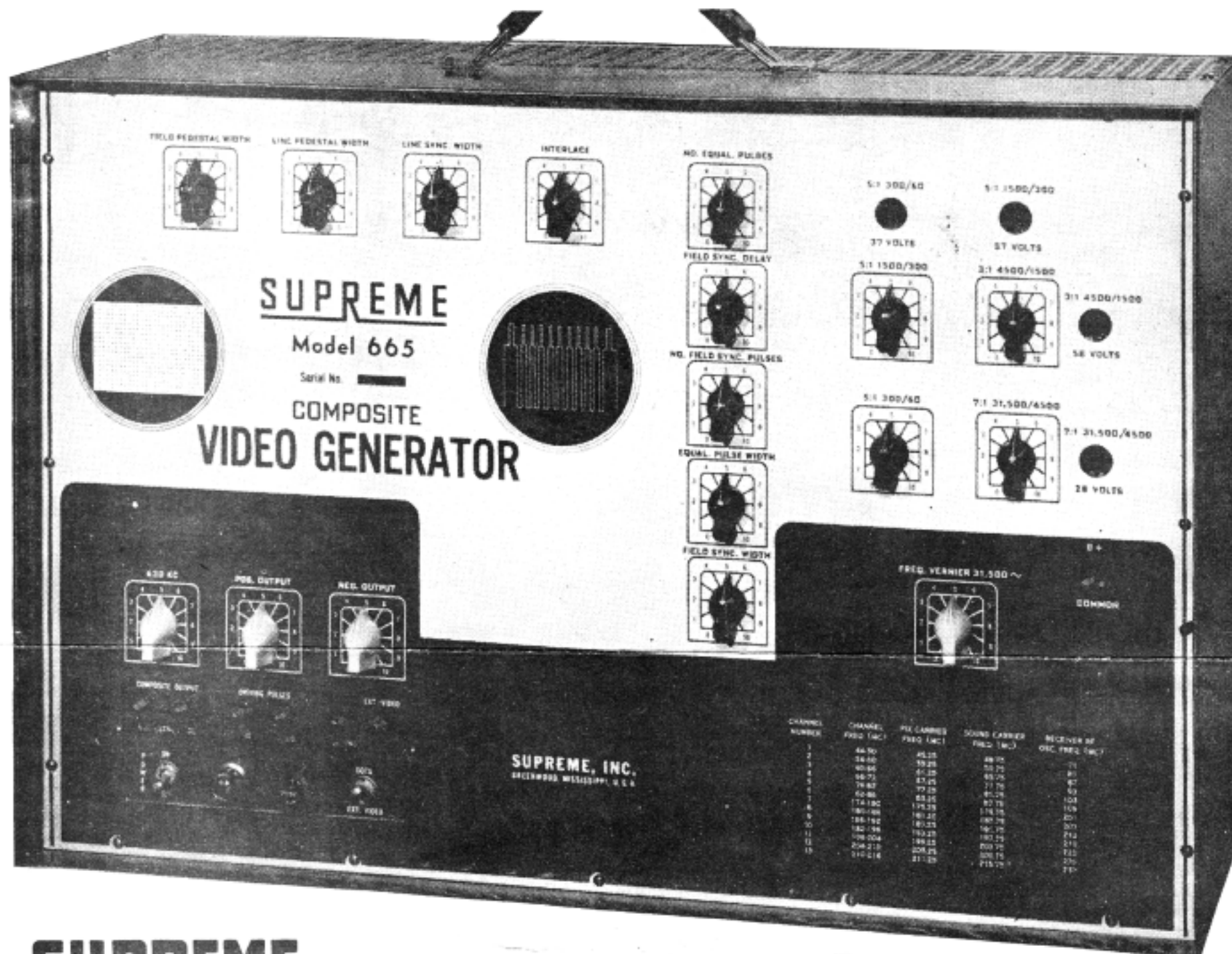
#### FOR MODELS

- 600 and 616

STOCK NUMBER 9600-519  
PRICE-----\$1.17

TO SPEED DELIVERY, PLEASE ORDER BY STOCK NUMBER AND ENCLOSE REMITTANCE WITH ORDER.

signal generator, is an output transformer which has provisions for matching to loads of 250, 500 and 5000 ohms. This output transformer is also center tapped for feeding push-pull and other balanced inputs.



## SUPREME MODEL 665

WHAT IS IT? This instrument is the only portable instrument available today that provides all the complete video signals equivalent in all respects to the signal transmitted by a standard broadcast station. This tester brings to the field Service Engineer a signal heretofore available only for laboratory and production line testing. By its development, a composite video signal, in exact accordance with FCC "Standards of Good Engineering Practice Concerning Television Broadcast Stations," is made available for field testing without TV Test Pattern Reception.

IS IT PRACTICAL? The performance of this equipment has been thoroughly checked in laboratory and actual TV receiver production lines of several leading TV set manufacturers. Design and Production engineers have acclaimed it to

be the major TV test equipment development of the year. After using video equipment costing three to four times the price of the Model 665, TV Engineers are now using the Model 665 because of its amazing performance and low cost.

LEAD THE FIELD IN TELEVISION REPAIR AND INSTALLATION. With the Supreme Model 665 Composite Video Generator, you no longer depend on a TV station for a test pattern---you will have one at the flip of a switch. In fringe and low signal areas, the Model 665 permits you to make adjustments and test for trouble AT YOUR CONVENIENCE.

The Model 665 should not be confused with the cross hatch or linearity bar and dot generators. The Model 665 delivers a COMPOSITE VIDEO SIGNAL.

# SUPREME

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