



SUPREME

TEST EQUIPMENT BULLETIN



Our 24th Year

GREENWOOD, MISSISSIPPI, U. S. A

Sept. - Oct. 1951

INSTRUMENT INCIDENTALS by Supreme users

VIRGINIA—"Thanks for your very fine service in keeping the serviceman up-to-date on his Supreme instruments. None finer!"

Letters from coast to coast and all over the world are written evidence that "SUPREME BY COMPARISON" is more than just three printed words—IT'S A FACT. Supreme testing instruments are quality from beginning to end, and the factory is interested in the way it performs as long as it is in service. These extracts from unsolicited letters proclaim the superiority of Supreme instruments—and also, what to expect from the factory as a SUPREME owner.

CALIFORNIA—"I have always been partial to Supreme as they are well built and stand the rugged service in the field. Buying test equipment is ONLY HALF the story. If one can get prompt service and courtesy as your firm has shown in my dealings with you—THAT IS THE OTHER HALF."

OHIO—"I am very proud and pleased with this fine instrument. My only wish is that I had purchased Supreme through-out my testing layout. Will know next time."

PHILLIPINES—"Since I do not know where to buy the best test equipment for my radio shop, and most radio servicemen here in the Phillipines highly praise Supreme instruments, I would like to order some from you."

MARYLAND—"Please send me the latest roll chart for my Supreme Model 599 tube tester. I have used this instrument for 3 years, and, by the way, I have not had one bit of trouble other than replacing the battery."

RHODE ISLAND—"Supreme Model 592 is still our best meter."

YOU MAY PAY MORE, BUT, YOU CANNOT BUY BETTER TEST EQUIPMENT than S U P R E M E. Just ask the man who owns or uses a SUPREME Instrument.

MODEL 592 WINS NEW FRIENDS IN TELEVISION

The popular Supreme Model 592, a favorite among professional AM and FM service technicians is making the job of checking circuits in television sets an easy one.

Continuous Ohmmeter Ranges

A feature of particular interest to those who often need that range which is omitted in ordinary multi-meters is the continuous, overlapping ranges of the Supreme Model 592—No skips to confuse the operator. Measures resistances from less than 1 ohm to 50 megohms in 6 ranges. The ohmmeter function in the Supreme Model 592 is completely self-contained. No external power is required—even on the 50 megohm range!

In addition to the 7 regular D-C volt ranges at 1000 ohms per volt, there are 8 ranges at 25,000 ohms per volt for television testing. D-C voltage can be measured from a fraction of a volt to 35,000 volts (35 kilovolts). On the highest D-C voltage range, the input resistance is 875 megohms. Many vacuum-tube-voltmeters are below this.

A Complete Multi-meter

Besides the most used functions mentioned above, it has 6 A-C volt ranges, 8 D-C current ranges, 4 decibel ranges and 6 output volts ranges. No external blocking condenser is required when used as an output meter in alignment work.

Selected Scales

The scales on the Model 592 are designed so that voltages measured most fall in the upper sector. The scales are illustrated below. Notice where the line voltage will read on the 140 scale and where 6.3 volts is on the 7 scale. You can read any voltage, screen, plate, or power supply without changing the range if it falls between 50 and 350 volts.



NEW SETTINGS FOR SUPREME TUBE TESTERS

6AB7	2	6	23	C	57
6AJ5(27)	3	6	55	B	247
6AX4GT	7	6	23	C	38
6BX6 (13)	4	6	30	C	135
6R6G	2	6	30	C	78
6V8	4	6	30	C	235
6V8 (dio)	4	6	55	B	356
6V8 (dio)	4	6	55	B	58
7B7	1	7	30	C	78
12AX4GT	7	8	23	C	38
15A6	4	8	18	C	35
19V8 (a94)	4	9	30	C	235
19V8 (dio)	4	9	55	B	356
19V8 (dio)	4	9	55	B	58
21A6 (a94)	4	9	23	C	35
25CD6G	2	9	23	C	37
26Z5W	4	9	23	C	35
26Z5W	4	9	23	C	58
CORRECTION					
6BN6	3	6	49	E	14

The settings and notes given above apply only to the models 589, 599, 504B, as well as the "A" series.

Notes a94, a44, etc. are explained on all roll charts published during the past two years. If your present chart does not have either the number 4965-511 or 4965-518, a new chart should be ordered from the factory or nearest Supreme service agent. The cost of a new chart is \$1.17. Adapters, if needed, can also be ordered. Most 9 pin types can be tested with two adapter types (9544 & 9545). The price is \$1.50 each.

The settings given below are for Models 600 and 616.

6AB7	23	C	2	7	57
6AJ5 (27)	56	B	3	7	247
6AX4GT	23	C	7	7	38
6BX6 (13)	30	C	4	7	135
6R6G	30	C	2	7	78
6V8	30	C	4	7	235
6V8 (dio)	55	B	4	7	356
6V8 (dio)	55	B	4	7	58
7B7	30	C	1	8	78
12AX4GT	23	C	7	9	38
15A6	18	C	4	9	35

HOW EFFICIENT IS YOUR TUBE TESTER?

What do we mean by the efficiency of a tube testing method and why is it so important? Efficiency has to do with the ability of a tester to classify good tubes from bad tubes and the amount of time or cost to perform the test. Time is very important because time lost in radio or TV service is just like paying dollars out of your pocket, cash drawer or bank account. You just can't make any money servicing electronic devices if you use an inefficient method of locating trouble—especially tube testing.

Most all tube testing methods in common use will reject at least 94 out of 100 tubes which are actually defective. If you want a tester which will reject 97 out of 100, it will take about twice as much time which means it will cost you more to get the additional accuracy.

A good quality emission or overall conductance test such as used in the Supreme Model 589-A is by far the most efficient method. In the chart below, Method A is the 589-A type of test; B is Relative or Service Gm; C is tube Substitution; D is true Gm and E is Set Substitution. (Methods D and E are shown for comparison purposes only as no service technician in his right mind would use either D or E. In the first place the equipment would cost thousands of dollars and would be too heavy to move around.)

Test Method	Rejection Accuracy	EFFICIENCY (Ra:Time)
A	94	97
B	96	48
C	97	38
D	99	15
E	100	11

The most profitable (money making) method of testing tubes is one that gives reasonable rejection accuracy in the shortest test time—it is the most efficient.

19V8	30	C	4	10	235
19V8 (dio)	55	B	4	10	356
19V8 (dio)	55	B	4	10	58
21A6	23	C	4	10	35
25CD6G	23	C	2	10	37
26Z5W (45)	23	C	9	9	345
26Z5W	23	C	9	9	458
CORRECTION					
6BN6	38	E	3	7	14

DO YOU HAVE ANY DEFECTIVE TUBES?

Your discarded tubes are now worth money towards the purchase of a Supreme Model 589-A or 504-B Tube Tester.

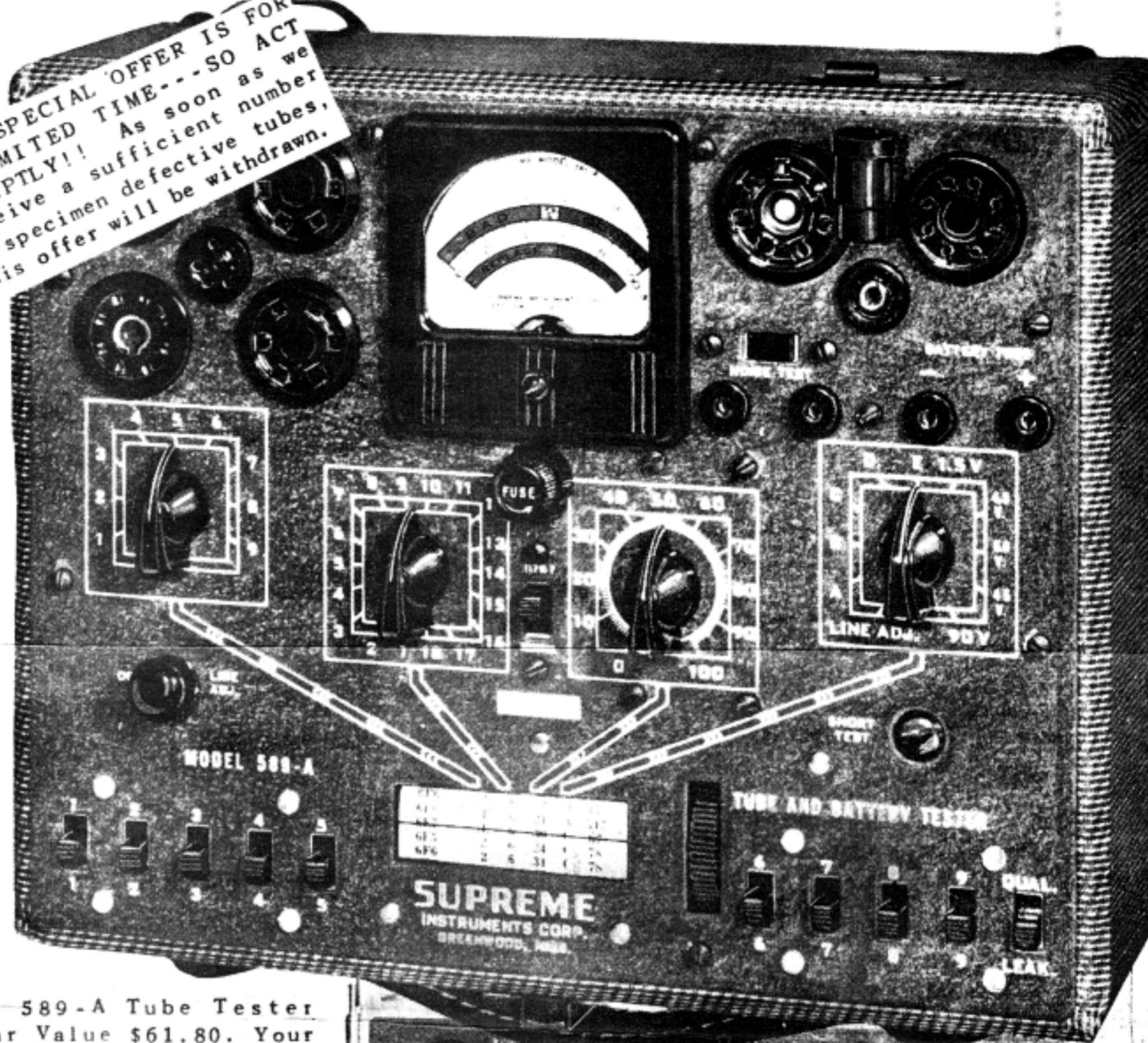
The Supreme Engineering laboratory wants a quantity of tubes which have been discarded as being unsatisfactory for use in electronic devices such as radios, television sets, amplifiers, etc. They need specimens of many types in order to have all defects well represented. These tubes are to be used in conjunction with a research project on tube testers. It is obvious that aged defective tubes cannot be obtained from the same sources we get specimens of good tubes. We usually obtain specimens of defective tubes from local radio servicemen, but right now our engineers need a lot of them. We believe our best chance to find these specimens is by going to the man who locates most all types of defective tubes--the electronic technician.

To help our engineering department obtain the specimens as quickly as possible, we are offering a most generous credit allowance on two of our most popular tube testers.

The Supreme Tube Testers shown at the right cannot be beat for efficient bench and counter tube testing. Checks AM-FM and Television receiving type tubes as well as portable radio batteries. Uses that famous tube test circuit and Supreme patented neon leakage test that have set rejection standards for years.

The Model 504-B has all of the tube testing features of the Model 589-A plus 29 multi-meter ranges and a condenser tester.

THIS SPECIAL OFFER IS FOR A LIMITED TIME---SO ACT PROMPTLY!! As soon as we receive a sufficient number of specimen defective tubes, this offer will be withdrawn.



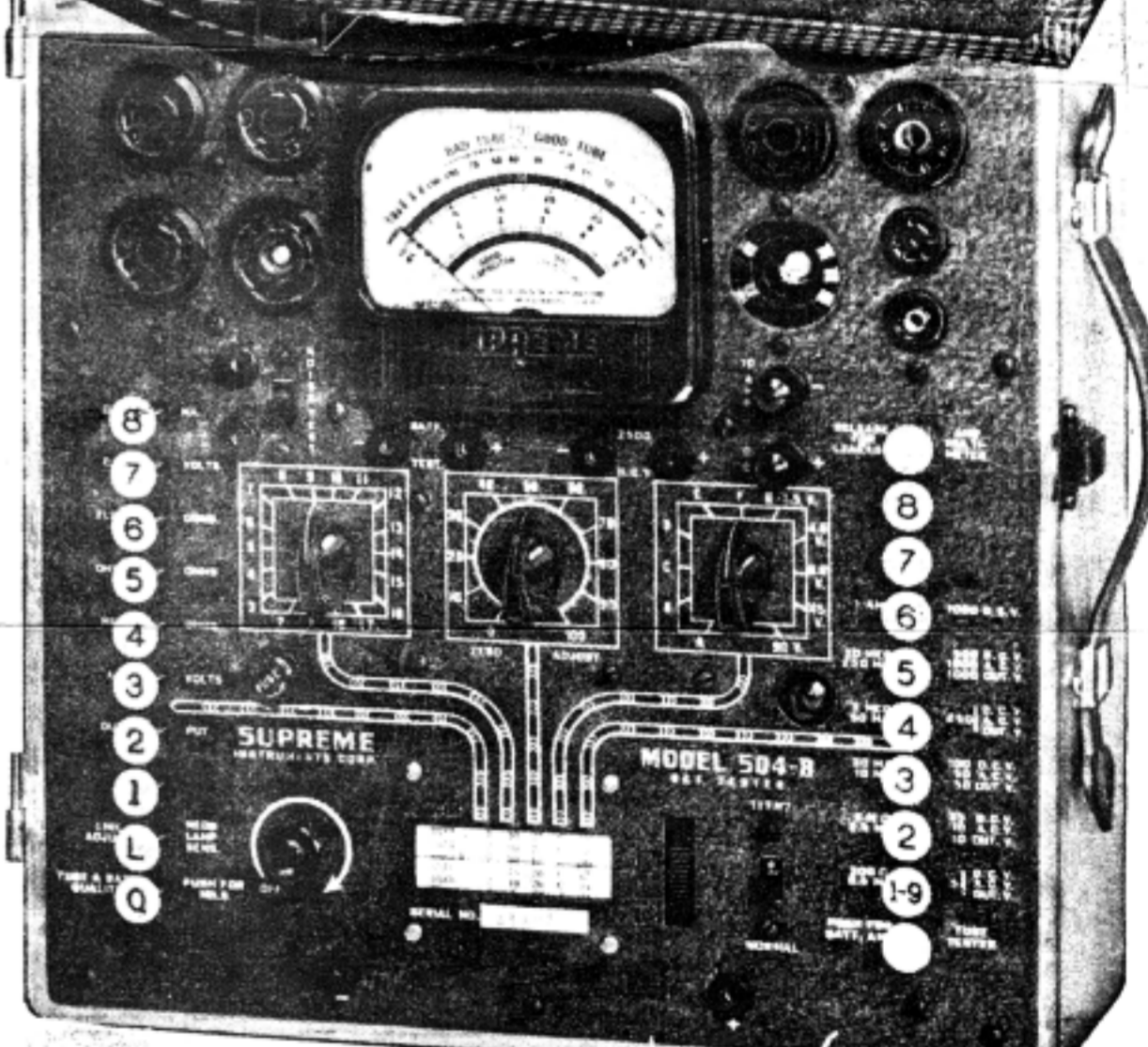
Model-589-A Tube Tester Regular Value \$61.80. Your cost with a group of discarded Tubes-----\$ 3 9 . 8 0

Model 504-B Tube & Set Tester Regular Value 102.50 Your cost with a group of discarded tubes-----\$ 6 9 . 5 0

By sending either one of the following groups of discarded tubes to Supreme, your order for one of these fine testers will be accepted at the special prices listed above.

Group I- 25 defective tubes rejected by any tube testing method (tube tester or substitution method).

Group II- 5 tubes passed as satisfactory on your present tube tester, but would not operate properly in a set.



ACCURATE • DEPENDABLE • "SUPREME BY COMPARISON"

SUPREME
INCORPORATED
GREENWOOD, MISSISSIPPI
U. S. A.

REDER DRUG CO
BLUE RAPIDS KAN

Sec. 34.66, P. L. & R.
U. S. POSTAGE
Paid
Greenwood, Miss.
Permit No. 81

311381

RETURN POSTAGE GUARANTEED



Publication Digitized and Provided By

www.StevenJohnson.com

Vintage Schematics, and Publications

Steve's Antique Technology