

INSTRUMENT INCIDENTALS

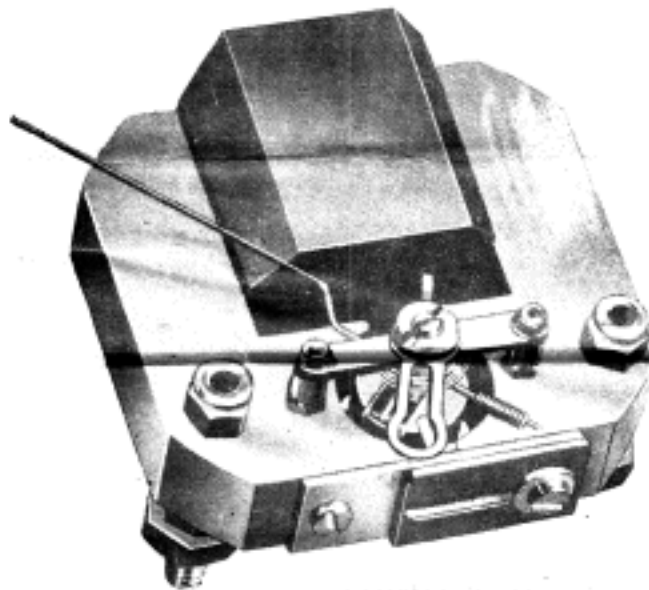
When using the Supreme Model 599A as a voltmeter in servicing a radio, the DCV common lead may be left clipped to the chassis or B- for both positive and negative reading simply by throwing the special test switch from NORMAL to the 117N7 position when a negative voltage is to be measured, thus saving the changing of test leads. John P. Horaczek, Carman, N. Y. (Note: Above is also applicable to Supreme Model 504B)

Every so often one of our customers brings in a battery radio using an AB pack--the complaint is a noisy radio. One of the first things we do is to check the B section of the battery for noise. We use our Supreme Audolyzer for this job. we hook a resistor across the B section and adjust to draw about 20MA. We hook the ground clip of Audolyzer to negative side of battery and touch audio probe to positive terminal of battery and turn gain control for maximum audio. If the battery is at all noisy, it will show up in the speaker of the Audolyzer. -Les Shuster, Geneva, Nebraska.

Rated voice coil impedance can be arrived at satisfactorily by use of an ohmmeter. The ohmic resistance of the voice coil multiplied by 1.25 will fall close enough to the impedance value and eliminate considerable guess work in matching speakers. H. W. Christopher, Normandy, Missouri.

In changing I. F. coils, I find it saves me time to check the coil with my sig-

THE HEART OF QUALITY TEST INSTRUMENTS



An "inside view" of the movement built by Supreme for Models 640 and 644 set testers

SUPREME EQUIPMENT AVAILABLE ON CREDIT

There is no need to jeopardize your business and try to get along with inadequate equipment. Test equipment is not an expense item or luxury, but an asset which is essential to profitable radio and television servicing. If you are short on cash and can supply a reasonable credit reference, you practically have the instrument of your choice.

Write the service division of Supreme, Inc., Greenwood, Mississippi and ask for time payment application Form No. CR-921. You will be amazed at the easy terms offered by the Supreme Time Payment Plan.

national generator and Supreme Model 574 Electronic multimeter to be sure that it will peak along with the old coil before soldering the leads into the set. Also check the Q of the coil to be sure that it matches the one in the set. While you have the instruments set up, you can peak both coils with the set turned off. This saves time when you go to align the set. W.H. Crisman, Jeannette, Pa.

DISTRIBUTORS GET PRE- VIEW OF NEW SUPREME TV TEST INSTRUMENTS

Jobbers from every corner of the U. S. A., Canada, and many other nations saw the new Supreme Television Test System in operation at the National Radio Parts Show held in Chicago recently. On exhibition was the Supreme Model 665 generating the composite video signal in exact accordance with FCC standards of good engineering practice concerning television broadcast stations and modulating the Supreme Model 675 FM and TV generator to produce a test pattern on the screen of a typical television receiver.

To illustrate the frequency response of the Model 660 (Supreme's 1949 version of the famous Vedolyzer), this wide range oscilloscope gave the onlookers a chance to see something they had, hereto- (Continued on page 2, Col. 2)

Supreme owners in and around Chicago can obtain prompt and efficient repairs by contacting the Pacific Indicator Company, 306 South Western Avenue--Telephone SEeley 3-7646.

SUPREME DESIGNS AND MANUFACTURES SPECIAL METERS FOR TEST EQUIP- MENT APPLICATIONS

A strong heart provides a long, active and efficient life. The heart of tube and set testers as well as multi-meters is the device used as an indicator--the meter. Every test, every reading and every measurement depends upon the performance of the meter. The photograph to the left shows the heart of a Supreme tester which incorporates a 20,000 ohms per volt function.

Quality Construction

Each Supreme meter is constructed with a minimum of twenty-three carefully selected and inspected components. Some of the major parts requiring a high degree of skill to produce are listed as follows: Soft sintered pole pieces which form half of the shoe to conduct the magnetic flux over the proper path; an efficient alnico bar magnet to supply adequate flux density; double bridge construction for mounting the highly polished pivots into jeweled bearings; and that famous Supreme pointer attached to the moving coil wound on a sturdy metallic form.

No Piece Work

Supreme meters are designed, manufactured, and assembled under the most ideal conditions. Each turn of wire, each assembly operation, and each adjustment is applied by skilled personnel who were instrumental in setting up the high standards to which Supreme meters are built. No operator in the Supreme factory is paid on piece work basis as quality workmanship is placed far above quantity production. The entire meter (Continued on page 2, Col. 1)

SUPREME QUALITY METERS

(Continued from page 1)

assembly division is conditioned with temperature controlled filtered air which contributes to the high efficiency of the operators in making the painstaking adjustments. At the same time, this eliminates any trash or stray matter from getting into the movements before being mounted in a dust-proof housing.

Supreme Panel Meters

Special meters made by Supreme are used by leading manufacturers in the production of many types of electrical apparatus. Although the Supreme trademark is out of view, many recognize that well known 'Supreme by Comparison' construction which has no equal.

Meters are now available with scales for the radio amateur and, of course, they have a movement that 'can take it'. If the answer to your experimental or end equipment problem is a good meter, then write Supreme without delay.

TV HIGH VOLTAGE RANGE EXTENSION UNIT FOR SUPREME MULTI-METERS

After considerable research on the procedure for checking the high voltage section of television receivers, Supreme has produced a range extension unit which can be used with some degree of safety to the operator. The Supreme Type 9800() DC Voltage Range Extension Units are designed to be used in such a way that life insurance companies shouldn't get excited about premium rates. Probing in TV high voltage circuits is not necessary since one test tells a competent serviceman what he wants to know. It should be remembered that the high voltage section of a TV set occupies its own corner and is not so complicated to require a lot of probing around while the set is on. Carelessness and high voltage mix very violently, so CAUTION is a very wise procedure. When ordering, be sure to give your jobber the model number of your set tester and the

TV TEST EQUIPMENT PREVUE

(Continued from page 1)

fore, seen only in technical manuals--THE COMPOSITE VIDEO SIGNAL 'in the flesh'. Only oscilloscopes which have the features of the Supreme Model 660 could accomplish such a feat. A brochure on the new Supreme TV units listed above is now being sent to all servicemen on our mailing list. Questions are invited from those who are preparing to enter the rapidly expanding television service field.

Ole Timers have been looking to Supreme for the answer to their TV service problems. We know they will agree that our solution is 'Supreme by Comparison' in every way--quality--utility--cost.



P. O. Box 552
GREENWOOD, MISSISSIPPI, U. S. A.

Postmaster: If undeliverable FOR ANY REASON, notify sender, stating reason, on FORM 3547, postage for which is guaranteed.

range extension desired. Available for 20M/ohms per volt, 25M ohms per volt and Supreme electronic voltmeters produced since 1944. The price of these units is \$9.95 per range.

ADAPTERS FOR NINE PIN NOVAL TUBES AVAILABLE

The nine pin noval tube types can be tested on the early series Supreme tube testers 589, 599, and 504A by ordering adapters from the factory or Supreme service stations. The price of the adapter set is \$2.35 postpaid. A deposit of at least \$1.00 should be sent with C.O.D.

MANY TEB CONTRIBUTORS

RECEIVE TEST PROBES

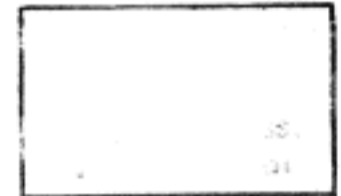
In response to the Test Equipment Bulletin's offer for contributions to 'Instrument Incidentals', many suggestions concerning unique applications of test equipment were received. A few of them appear in this issue and there will be more in future issues. Users of test equipment who send in a suggestion which is accepted for publication will receive a pair of genuine Supreme test leads. Every radio and TV technician knows an application of test equipment which may help others save time. Send it to Supreme, Dept TEB, Greenwood, Mississippi and when passed for publication, your test leads will be forwarded

ADDITIONS AND CORRECTIONS

TO ROLL CHART 4965-482

12BD6	3	8	12	C	47
6BD6	3	6	12	C	47
19J6#	3	9	55	B	147
19J6#	3	9	55	B	247
14X7	1	8	30	C	48
14X7Dio	1	8	70	B	78
6BH6	3	6	56	B	24
6W4	7	6	21	C	38
14F8	2	8	20	C	47
14F8	2	8	20	C	57
6AL7	2	6	85	A	78
6AL7	2	6	0	D	37
6AR5	3	6	20	A	24
12AT7	4	8	55	B	35
12AU7	9	6	57	B	345
12AU7	9	6	57	B	458
6J4(RYZ)	3	6	52	B	24

without delay. All contributions become the property of Supreme to use as it sees fit and the decision of the editor will be considered final.



DOES YOUR TUBE TESTER HAVE THE LATEST TUBE LIST CHART INSTALLED?

Supreme service stations are finding a large number of the Model 589, 599, and 504A testers sent in for overhaul equipped with tube charts which have been superseded from five to eight years ago.

Roll charts for the above tube testers are revised from time to time when enough new type tubes are released to justify a reprint. So far there have been sixteen editions of

CHECK THE ADDRESS SHOWN ABOVE FOR CORRECTNESS AND ADVISE SUPREME OF ANY CHANGES WHICH WILL ASSURE PROMPT DELIVERY ON ANY LITERATURE MAILED TO YOU FROM THE FACTORY.

THE NEW SUPREME CATALOG IS YOURS FOR THE ASKING--SEE YOUR JOBBER TODAY OR WRITE THE FACTORY FOR A COPY.

the roll chart published and the latest edition is Number 4965-482. The price is the same as before the war \$1.10 postpaid. If your servicemen associates have a Supreme tester with an old chart, they will appreciate your passing this word along.



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