.. For a RELIABLE and CONSTANT D.C. Supply



HY-WATT-81

PLATE LEAD ON TOP ALLOWS A PEAK OF

> SPECIALLY TREATED PLATE LOWERS RIPPLE CONSTANT

HEAVY DUTY CATHODE PERMITS 400 MILS.

HEAVY-TUNGSTEN FILAMENT GUARANTEES LONG HEATER LIFE

Replace your HY-Vacuum 81's

WITH

THERMOTRON HY-WATT '81's

Mercury Vapor Rectifiers

. They last longer

RADIO AND INDUSTRIAL RECTIFIERS

			Maximum Anode					
				Filament		Peak		Net
Type			Voltage	Current	Peak	Current		Price
			_		Voltage			
Hi-Watt 81	Half	Wave	7.5	1.25	7500	. 0.4	amps.	\$5.00
866	66	"	2.5	5.0	7500	0.6	66	5.00
866-E	3 "		5.0	5.0	7500	1.2	66	10.00
872	"	66	5.0	10.0	7500	2.5	"	14.00
875	"	"	5.0	10.0	15000	2.5	"	24.00
869	66	66	5.0	20.0	20000	5.0	"	150.00

"INHERENT QUALITY CANNOT BE DENIED"

THERMIONIC LABORATORIES

10 LIBERTY ST.

KEARNY, N. J.

U. S. A.

If you can't do all this in the column to the column to the right you should take THE CAND-LER SYSTEM Course in right LER SYSTEM Course in High-Speed Telegraphing. It trains your Brain, Muscles and Nerves to CO-ORDI-NATE in doing fast, accurate work. It gives you CONFI-DENCE, natural CONCEN-TRATION and banishes
Nerve Strain. Original
CANDLER METHODS
have developed over 45,000
of world's fastest Morse and Radio operators including the champion.

TELEGRAPH-TOUCH-TYPEWRITING—only method for operators. Shows how to use "mill" in receiv-ing, how to copy several words behind easily at high speed.

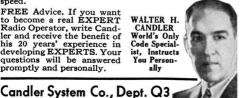
FREE Advice. If you want to become a real EXPERT Radio Operator, write Cand-ler and receive the benefit of his 20 years' experience in developing EXPERTS. Your questions will be answered promptly and personally.

What Amateur and Commercial Radio Operators Can Do With the Help of the

CANDLER SYSTEM

They can make perfect copies of WNU press with pencil or "mill"; can cut mimeograph stencils WNU, directly from WHD and KUP press; can copy press 3 to 5 words behind easily without losing out; can count checks automatand OK copy instantly; can send perfect code groups with key or bug at 30 to 35 wpm and more.

WALTER H. CANDLER World's Only Code Specialist, Instructs You Personally



QST Oscillating Crystals

"Superior by Comparison"

New Price List Effective Immediately

New prices for grinding power crystals in the various frequency bands, said crystals ground to an accuracy of plus or minus .03% mounted:—

or minus .oo /o mounted.	
(Frequency range)	New list
100 to 1500 Kc.	\$40.00
1501 to 3000 Kc.	\$45.00
3001 to 4000 Kc.	\$50.00
4001 to 6000 Kc.	\$60.00

Above prices include holder of our Standard design. If crystal is wanted unmounted deduct \$5.00 from the above prices. Deliveries can be made within two days after receipt of order. In ordering please specify type tube, plate voltage and operating temperature. Special prices will be quoted in quantities of ten or more.

POWER CRYSTALS FOR AMATEUR USE

The prices below are for grinding a crystal to a frequency selected by us unmounted (if wanted mounted add \$5.00 to the price list) with a calibration accurate to BETTER than a tenth of one per cent. Immediate shipments can be made and all crystals guaranteed.

1715 to 2000 Kc. band 3500 to 4000 Kc. band

\$12.00 each \$15.00 each

LOW FREQUENCY STANDARD CRYSTALS

We have stock available for crystals as low as 13 Kc. Prices upon receipt of specifications.

SCIENTIFIC RADIO SERVICE

124 Jackson Ave., University Park HYATTSVILLE, MD.

"Crystal specialists since 1925"