

YOUR RADIO IN WARTIME

HOW TO MAKE IT LAST



NEWS...



ENTERTAINMENT...



CIVILIAN
DEFENSE...



THE OBJECT OF THIS LITTLE BOOK

is to offer suggestions to owners of radio sets by which they may conserve material needed for wartime production and at the same time continue to enjoy good radio reception. It is offered with the compliments and good wishes of your Radio Service dealer and the makers of

TUNG-SOL
Vibration-tested
RADIO TUBES

THE TUNG-SOL LAMP WORKS INC.
NEWARK, N. J.

HOW RADIO TIES IN WITH THE WAR EFFORT



Radio broadcasts and radio receiving sets play an important part in our total war. Morale (a much-abused term) is helped by its entertainment features—people work better and fight better with a bit of amusement and relaxation. Good music has been proven a helpful adjunct to sustained effort, to steadier nerves and better health. Infor-

mation, comment, news and discussion all help in public understanding and confidence. For quickly spreading emergency information, radio is unequalled. Your radio set is. . . .

NO MERE LUXURY

When we use less gas and tires, when we cut our spending to pay more taxes and buy more war bonds, our radio will enable us to spend more time at home and to enjoy some of the world's finest music and best entertainment brought right into the living room.



BUT UNCLE SAM NEEDS RADIOS, TOO



The production of radio tubes for civilian use has been stopped for the duration, because every tank, plane, battleship and military command must have radios. Radio communication is



absolutely essential to modern warfare. And radios must have tubes.



TUNG-SOL HAS GONE ALL OUT FOR WAR PRODUCTION

Every resource we have is being thrown into the effort for production, and yet more production is needed to meet the requirements of our boys on the LAND, on the SEA and in the AIR.



MAKE THE MOST OF YOUR PRESENT SET



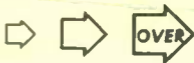
You don't know when you'll get another. When you think of the high-priced radio talent that's yours for the turn of a dial, anything that will make it sound better and last longer is all to your good.

THE TUBE IS THE HEART OF THE RADIO

In the present tube scarcity, it is well to remember that just as your heart will last longer if you treat your body right, so your radio tubes will last longer and give better reception if you treat your set right. There are many things you can do to help keep your set in good condition and many things NOT to do, as well.



Here are a few suggestions



WHAT TO DO TO KEEP YOUR RADIO FIT



DUST Dust doesn't do the works any good. Between condenser plates it may become a real cause of bad reception. Keep a small brush hanging at the back of your set and brush out the dust at frequent intervals.

WIRES Keep wires off the floor—especially the power supply extension—or worn insulation, broken wires and loose connections may result. Loop the extra wire into a coil and tack it on the back of the set.



TUBE SOCKETS See that tubes fit snugly into sockets and that rust and corrosion do not impair contacts.

ADJACENT APPLIANCES

Loose connections, broken wires, worn insulation, half screwed-in plugs and other defects in lamps, irons, toasters and other appliances may cause poor radio reception. Also certain types of fans will sometimes mar reception. Ask your dealer how to avoid this kind of trouble.



WHAT NOT TO DO

Some "Don'ts" that make for better reception

VOLUME DON'T turn your volume on as high as it will go. Keep it moderate. Blasting noise will not only shorten the life of your tubes but the patience of your neighbors.

BRIC-A-BRAC DON'T set metal ornaments, or anything that will vibrate with sound, on top of your radio.

WEATHER DON'T keep your set near an open window. Rain and dampness from the window may cause damage and poor reception.



DON'T TINKER WITH YOUR RADIO



Keep it clean, keep it dry, protect it from misuse but don't mess with the circuit—this is a job that requires special technical knowledge. As radio refinements have been stepped up, adjustments have become more delicate, require more expert knowledge. Don't wait for a complete breakdown—

Have a Checkup of Your Set by a **TUNG-SOL** Radio Technician

TUNG-SOL'S OLD CUSTOMERS NOT FORGOTTEN

While doing everything we can to supply our armed forces and those of our fighting allies with tubes and lamps needed to win the war, we have not forgotten the civilian public—our valued customers in times of peace. Not only because of loyalty to old friends but with a realization of the importance of radio as a vital force in wartime, we are doing our very best to meet civilian needs.

TO KEEP SETS WORKING

According to radio trade papers, a definite, organized, all-inclusive effort to keep civilian radio sets working has been launched by the radio industry. Government cooperation is being given, the official viewpoint having been stated thus—"The maintenance of radio as an essential industry, so classified by the man-power commission, is of the utmost importance to the prosecution of the war." American ingenuity and mass production are overcoming certain bottlenecks, and civilian shortages of radio tubes may eventually be eased.

WHEN THE LIGHTS GO ON AGAIN

This war won't last forever and when, in the words of the song, "the lights go on again all over the world," a new industrial era will be ushered in. Undreamed of developments in the realm of radio, television and the new field of electronics will enrich the lives of our people. Already we have made literally hundreds of advancements in the use of electronic tubes since the start of the war, such as accident-preventing devices, checking food values, etc. Many of these improvements cannot be released now because we need all our material and all our energy for war production. Many of these new developments are war secrets.

VAST NEW FIELDS

In the constantly widening scope of electronics, splendid achievements are on the way in comfort, health, safety and entertainment, and in these developments Tung-Sol tubes will, in the future as in the past, play a leading role, bringing to the task a vast wealth of precision manufacturing experience as well as years of scientific laboratory research.

IMPORTANT FACTS FOR OWNERS OF RADIO SETS

The franchised Tung-Sol dealer who gives you this booklet was chosen for reliability and ability to serve you and your community.

He chose Tung-Sol because TUNG-SOL RADIO TUBES are manufactured to high precision standard with the finest of modern equipment.

Every tube is tested many times during the process of manufacture to insure mechanical perfection and, finally, for actual performance. They are built to surpass standard engineering requirements and to maintain a long-standing reputation for a product of high quality.

With TUNG-SOL RADIO TUBES you will get greater sensitivity, clarity and brilliance, more uniformly sustained volume and many extra hours of useful life.

The Tung-Sol franchised dealer is more than just a merchant. He is the local authority on radio whose advice and service will assure you uniformly good reception.

When servicing your radio set the Tung-Sol franchised dealer can usually test and repair other electrical appliances at the same time.

LITTLE THINGS THAT MAKE A BIG DIFFERENCE

An expert check-up of your set might uncover—

- Loose tube sockets
- Worn cord connections
- Loose or broken connections in set
- Loose outlet plug
- Dusty chassis
- Dust in condenser plates
- Condensers out of alignment
- Condenser drive needs lubricant
- Loose knobs
- Loose or slipping dial
- Loose or rattling speaker grille
- Tinny or rattling speaker
- Noisy volume control
- Noisy tubes
- Unbalanced tubes
- Corroded tube socket
- Worn insulation
- Poor ground connection
- Rust in chassis
- Noise from adjacent appliances.



SPECIAL EVENTS...



MUSIC...



ARMY CAMPS...

*Compliments of your
TUNG-SOL RADIO SERVICE MAN*