

UNITED TELEVISION LABORATORIES



5th & MAIN STS. — CLAY 3831 — LOUISVILLE 2, KENTUCKY

HISTORY AND PURPOSE OF UNITED TELEVISION LABORATORIES. INC.

The United Television Laboratories, Incorporated, is a Research and Manufacturing Organization and conducts a Training Division, not only to develop its own personnel, but to help supply the Technicians and Engineers required today. The Industry must have this personnel in order to expand on a national scale.

The United Television Laboratories, Incorporated, is very fortunate in having at its helm men long identified with the Industry -- men, who today, because of their untiring efforts in promoting and keeping alive the interest in television during some of its darkest hours, are seeing the justification of their faith and sacrifices. When the history of television is recorded for posterity the accomplishments and contributions of United Television Laboratories will take their place beside those responsible for the development of the Industry.

The General Offices and all training laboratories of United Television are located in Louisville, Kentucky. This city, because of its geographical location is destined to become one of the key crossroads of the television networks that are now being pushed to enable our nation to enjoy the benefits of coast-to-coast hook-up Television programs.

The present and future plans of our Organization include the manufacturing of television camera links, receivers and other electronic equipment. However, we will continue with the imperative need of the industry foremost in our plans — that the Industry must develop its trained men before we can have television; and we pledge to maintain adequate training facilities to accommodate those who are qualified and wish to take advantage of the opportunities open in this great new industry. In this respect, our training program is fully covered by the G.I. Bill of Rights.

The United Television Laboratories is a member of the Better Business Bureau and Louisville Board of Trade.



UNITED TELEVISION EMPLOYMENT TRAINING PROGRAM

Consists of at least one hundred assignments covering the science of radio, electronics, and television; the handling, working with, and use of radio receiving and transmitting equipment, television receiving and transmitting equipment, television camera control equipment.

OPPORTUNITIES

The radio and television field offers more diversified opportunities than any other field today. A few of the opportunities offered are listed below: Servicing radio and television receivers; designing radio or television receivers; installation of television receivers; production work--such as, trouble shooting, final testing, etc., of radio and television equipment. Radio transmitter work, as, chief engineer, control operator, recording technician. Television transmitter work, as, engineer, camera man, control operator. Sales engineering--public address work--research--hearing aids. Electronics in industry, induction heating, control devices, inter-office communication systems--vacuum tube and radio part manufacturing--miscellaneous communications systems used by airlines, railroads, police, taxi cabs. Radio altimeters, direction finders, radar. Electro-surgery equipment; electron-microscope; electronic-counting and weighting machines; radio parts distributor; geophysical exploration.

From the above list which mentions only a few of the opportunities offered by the radio, electronic and television fields, it can be seen that a myriad of opportunities awaits the properly trained technician. It is safe to predict that before long, the science of electronics will in one manner or another have a definite influence upon every phase of our lives--social, political, professional, and industrial. It is evident that an industry of such vast usefulness offers opportunities to the ambitious man who has the foresight and perseverance to acquire the "know how".

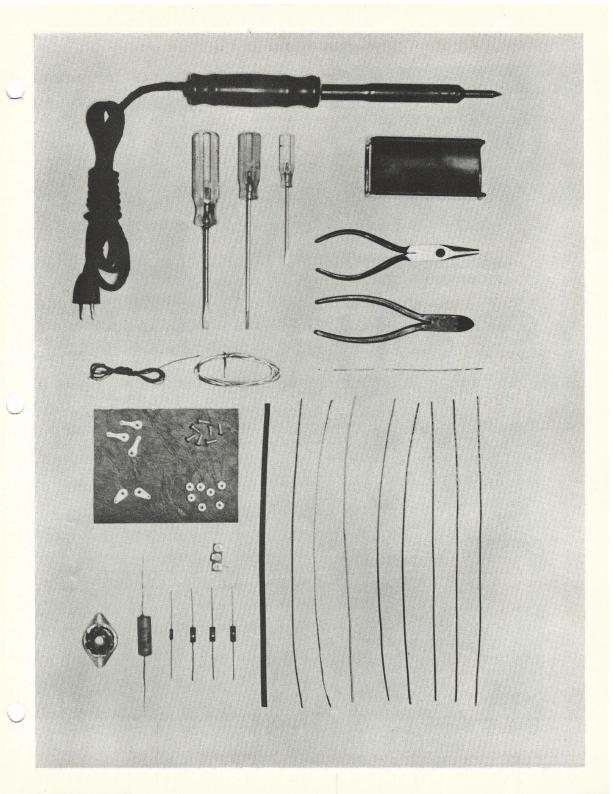
TRAINING WITH EQUIPMENT

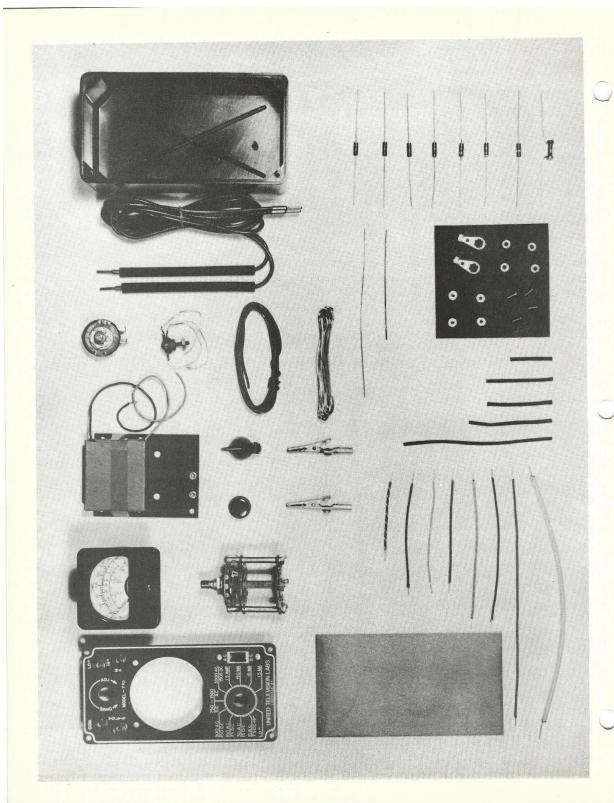
During this program you perform over three hundred experiments with the equipment, including the construction of power supplies, filter circuits, detector circuits, audio amplifier circuits, a complete superheterodyne receiver, incorporating automatic volume control, a complete commercial-type volt-ohmmilliampmeter; doing cathode ray tube experiments; adjusting and building cathode ray time base circuits; building a cathode ray oscilloscope; observing the nature of cathode ray television devices; modulating cathode ray beams; controlling cathode ray intensity; magnetic and electrostatic deflection of cathode rays; measuring frequency response of sound and television amplifiers; observing distortion; correcting distortion; and building, testing, and trouble shooting a television receiver.

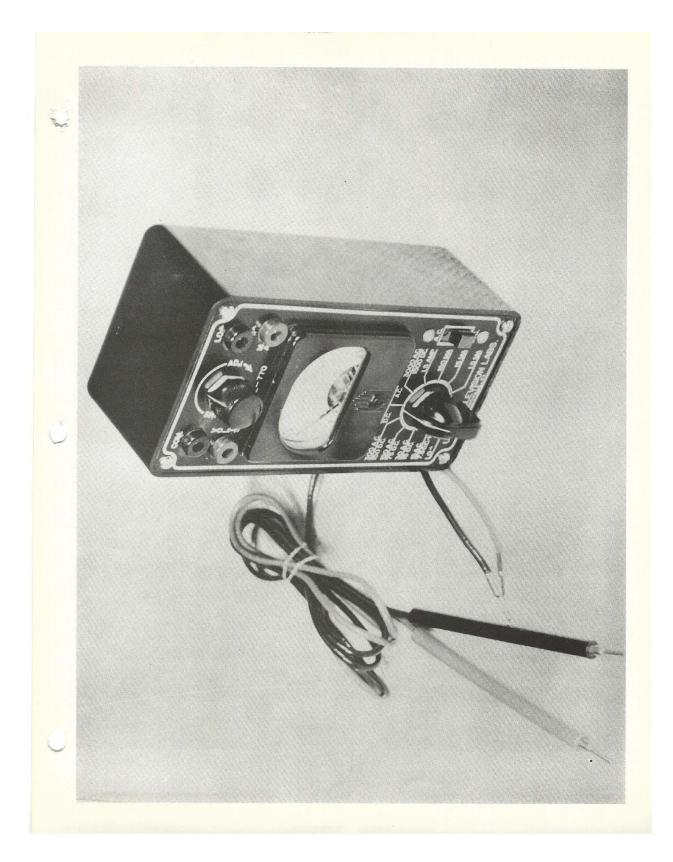
COMMERCIAL LABORATORY TRAINING

In the Laboratories in Louisville, Kentucky, you will be trained in practical television work with the most modern equipment together with the practical operation of more elaborate test equipment than one is able to use outside of a research laboratory. Here in our laboratories, the final television training is given under the personal direction of our staff engineers.

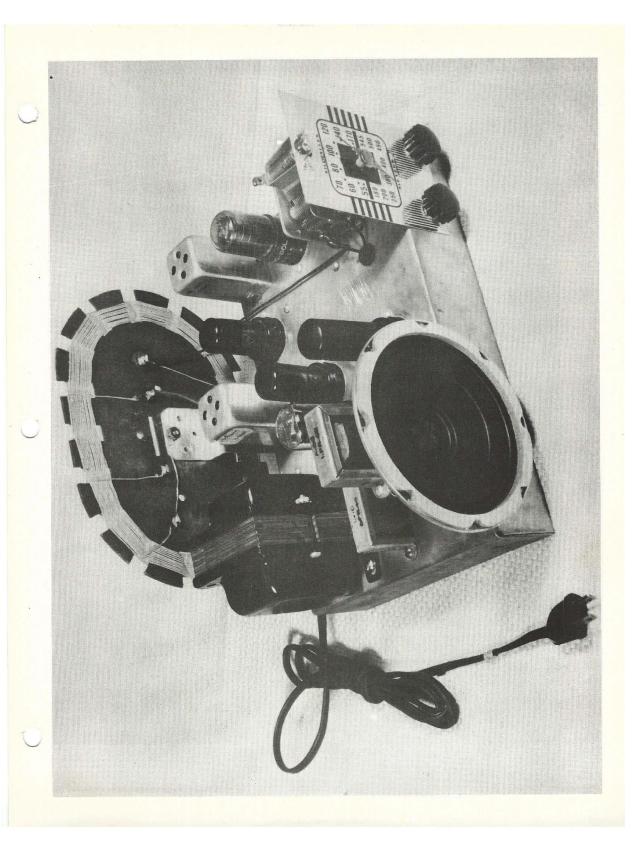
SATISFACTORY COMPLETION OF THIS TRAINING FITS YOU TO PASS A RADIO TELEPHONE FIRST CLASS LICENSE EXAMINATION, WHICH IS THE LICENSE REQUIRED TO OPERATE ANY RADIO OR TELEVISION BROADCASTING STATION.

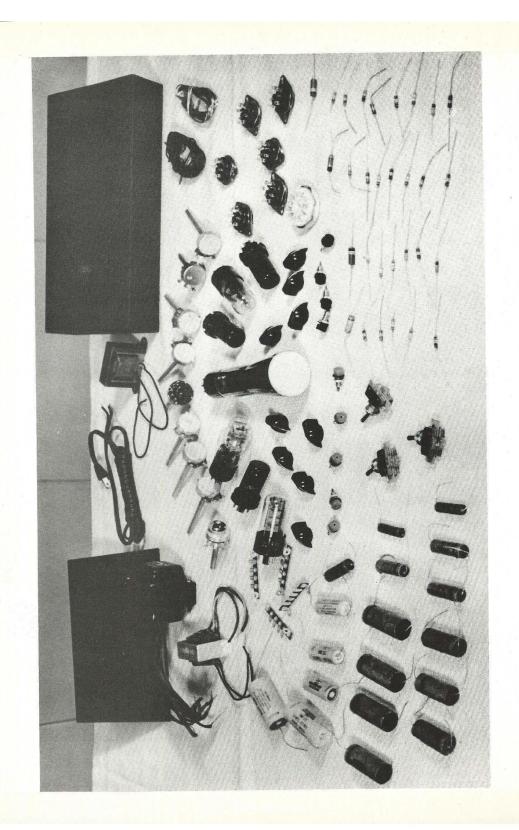


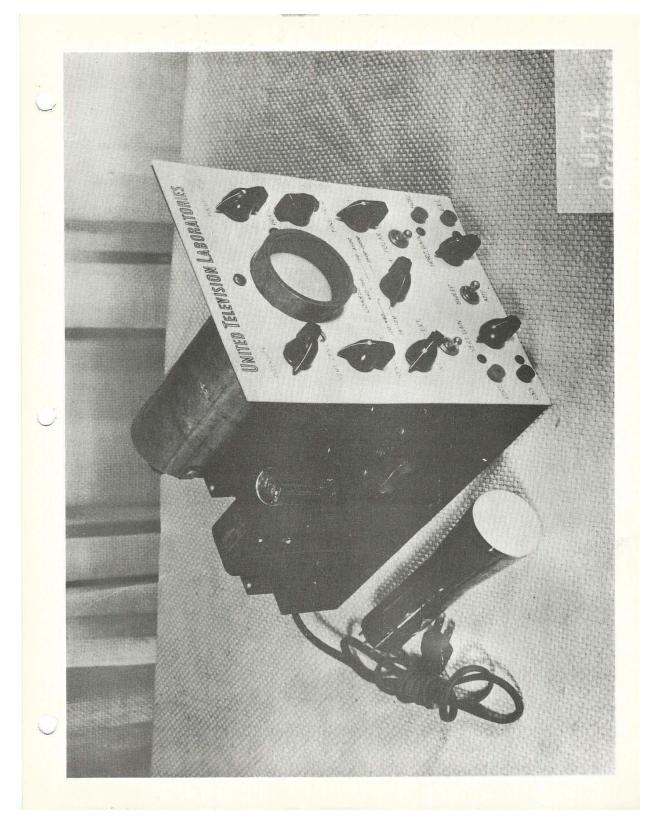


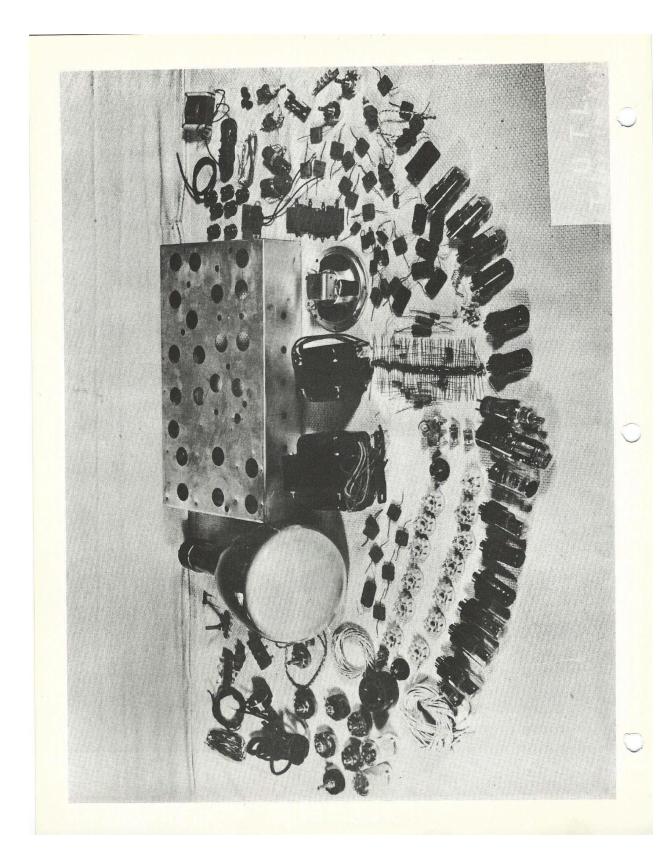












Video Sets in Use Make Large Gains

The number of television sets in the United States increased 460 per cent in 1948, from 1947 to a total of 868,200 and is expected to reach 3 millions this year. Fred A. Compton, sales manager for the Detroit Edison company, said yesterday. He spoke at the annual sales conference of the Edison Electric institute in the Edgewater Beach hotel.

"There are 50,000 sets installed in areas where transmitters are only in the construction stage, the sets having been purchased in anticipation of the construction being completed," he said. "It is estimated there will be 18 million sets in use in the United States by 1953."

Covers 45 Pct. Of Population About 45 per cent of the population is in areas currently served by television, Compton said. Thenumber of stations in operation is expected to increase this year from the present 51 stations in 31 cities to 131 stations in 69 cities.

Trained Personnel Lacking
There is a shortage of trained
service personnel for television
sets, he said. Detroit Edison's
experience indicates one service
man is required for each 200 sets

The rise in purchase of television receivers has been an important factor in the decrease in sales of other types of electric appliances. Compton said. Most persons perfer to spend money for an appliance that entertains than an appliance that saves work.

Big Television Growth Inspires Enthusiasm

By Wayne Oliver.

NEW YORK, N. Y. (P)—Of all America's major industries, television was the fastest growing in 1948. It promises to grow even faster in 1949.

Industry leaders compare television with the telephone, the automobile and radio as a new development in the American way of life.

For that reason they do not believe its rapid expansion would be halted even if there should be a recession.

They expect it to blossom into a five or six billion dollar a year proposition before too long with the manufacture of sets alone accounting for as much as one billion dollars in retail trade next year.

The number of stations has increased from 17 to 50. The number of sets has increased from 200,000 to about one million. One industry leader recently estimated the public investment in television—sets and stations—at 400 million dollars up to the present.

Dr. Allen B. DuMont, who both makes sets and operates a television network and his own stations, predicts that within five years television will be among the first ten industries in the nation.

Sees Growth.

William S. Hedges, vice president of the National Broadcasting Co., estimates that within the next five years television "may well prove to be a two billion dollar a year industry."

Hedges breaks his estimate down this way: He foresees an annual production of four million sets at an average retail price of \$350 per set for a total of \$1,400,000,000, plus \$600,000,000 a year for the sale of talent and broadcast time.

Frank M. Folsom, newly elected president of the Radio Corp, of America, is even more optimistic.

"If the returns from television broadcasting and the allied program activities are added to the income produced by television manufacturing," says Folsom, "this new art should add eight billion dollars a year to the national economy five years hence."

"That amount would place the radio-television, industry among the ten largest industries in the United States."

40% Coverage.

Folsom adds that with stations due on the air by New Year's Day, approximately 40 per cent of the American people will be within range of television. By the end of 1949 he estimates it will be 51 per cent.

Television is so closely allied with radio it is difficult to separate the two as distinct industries.

But the relation between television and radio production gives another key to the growth of the new form of broadcasting. During the past year, manufacturers have turned out about 16,000,000 radio sets and 800,000 television sets. But in dollars, television represents about 25 per cent of their business.

In 1949 it's expected the manufacturers will make about 12,000.000 radio sets and 1,600,000 to 2,000,000 television sets.

And television is expected to account for half their business in terms of dollars.

More Advertisers.

The broadcasting end of television so far has been a losing proposition, but the situation is expected to change when the number of sets in the hands of the public increases and advertisers become more willing to pay for high budget shows.

Even so, the number of advertisers is growing by leaps and bounds and telecasters are looking hopefully toward an end of red ink operations.



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SCENES OF OUR TRAINING DIVISION





U.T.L. TRAINING DIVISION REAR VIEW

Three minutes walk from main shopping center. Commercial lots offer parking at reasonable rates.



ENGINEER

Adjusting Camera

Control Equipment.



FUTURE ENGINEERS Checking A Television Camera.







R.C.A. IMAGE ORTHICON CAMERA & CONTROL EQUIPMENT IN OUR STUDIO



LABORATORY TRAINING ON RADIO & TELEVISION EQUIPMENT



TRAINING





TYPICAL TRAINING ROOM



OSCILLOSCOPE Designed and Manufactured At U.T.L.



THE CANTEEN



U. T. L. FROM THE AIR U.T.L. FROM THE AIR

In the heart of Louisville, just
minutes to any part of the city
with bus lines at our door. Rail
& Bus. Terminals near-by and just
three blocks from the free Municipal
Bridge.



VISUAL AIDS Provided in Classroom In Keeping With Most Modern Teaching Methods.



STOCK ROOM



T.V. Test Equipment



ANOTHER VIEW OF STOCK ROOM

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