

#### A Quarter of a Century of Broadcasting



The year 1946 marks the completion of the first 25 years of the American system of broadcasting. Radio was not, as you might say, "discovered" in 1920. Experiments had been going on for a number of years.

- .. In 1920, however, radio ceased to be an experiment and became a permanent adjunct to life in America. How permanent and how much of an adjunct remained to be seen, but it was in 1920 that broadcasting as we know it today was born—with the realization that here was a great instrument of public service.
- .. In 1922, two years later, radio advertising began, with the acceptance by station WEAF, New York City, of commercial copy from the Queensboro Realty Company—and America may be everlastingly grateful that such a vital medium of mass communication gained early support from advertising, which insured its freedom and placed it alongside our free press as another guardian of the rights of people.
- .. Today there are more than 900 broadcasting stations in the United States. There is scarcely a spot in the nation where one or more of them cannot be heard.
- .. These broadcasting stations range in power from 250 to 50,000 watts. They operate on wave lengths ranging from 550 to 1600 on the dial. Obviously, some stations have to operate on the same wave lengths and either shield one another or operate on low power because 900 powerful stations could not be crowded into approximately 1,000 spaces on the dial. There would be wholesale confusion, with interference ruining every program on the air.
- .. Radio engineering is responsible for the near flawless reception of radio programs today, with the radio dial crowded to capacity. Miracles have been performed which parallel the invention of radio itself.
- .. Personnel in radio, although not great from the standpoint of numbers, has always presented a problem from the standpoint of training and natural talent. Approximately 25,000 people are employed in the broadcasting industry in America. Thousands more could be added by taking in those who are employed in the medium of radio, that is, producing shows for advertising agencies, making transcriptions for broadcast purposes, writing for radio, representing stations and otherwise earning a living from radio work.
- .. Accessibility is one of the more obvious characteristics of radio. Once the initial investment has been made, the radio set is always there—in the home, family car, lunch room, hotel lobby and club car. It can be turned on with a flick of the wrist. It can be tuned from station to station with a twist.
- .. The full significance of this ease of listening becomes evident when you realize that today more than 31,000,000 homes are radio-equipped—that radios are more widely used than almost any other commodity.
- A generation or two ago, life was relatively simple—people understood what was going on in their communities, and some understood what was happening in the country as a whole. Beyond that, most people knew little and cared less.
- .. But today, because of radio and other rapid means of communication, the world is crowding in. People are bombarded daily with information about what is occurring all over the world. Most people are interested in these events because they realize that, in the long run, they can affect life in their own communities.
- .. Radio has come to mean more to them in recent years. They have a different conception of its mission in the world. They have heard it do terribly important things. It has taken them to inconceivable places, brought them voices and personalities who are changing the shape of the world.
- .. Assured of economic support by the free enterprise system of America and acclaimed by the public, radio will expand its service into many fields. New types of broadcasting—facsimile—television—all may flourish after the war.
- .. The story of radio is the chronicle of American life and times during the past quarter century. Where radio has gone, what it has reported, the personalities and events it has brought to the people, are the popular history of a great American era. The re-enactment, and in many cases the actual rebroadcast of these stirring episodes will stand without equal as an appeal to the patriotism of all Americans.

Excerpts from speech by

J. Harold Ryan,
former Pres. N.A.B.

# TELEVISION

For more than 60 years scientists have been striving for means of seeing events remote from the observer. The scanning disc was invented by Paul Nipkow in 1884. The basis for all modern electronic television was described by Campbell Swinton in 1911, but it took years of work by Vladimir Zworykin before this system produced a picture. Dr. Zworykin invented the "Iconoscope which became the eye of television cameras."

In the early 1920's, experiments by John Baird in England and C. Francis Jenkins in this country, brought successful transmission of low definition pictures. RCA erected a television transmitter in 1928 and on January 16, 1930 showed television pictures on a 6 foot screen, as transmitted from the studio.

The long awaited debut of television finally took place April 30, 1939 when President Franklin D. Roosevelt's speech opening the New York Worlds Fair was telecast.

Today there are 9 television stations in operation, and the FCC has applications for permission to construct 140 others. On the East Coast, approximately 10,000 television receiving sets are now in use.



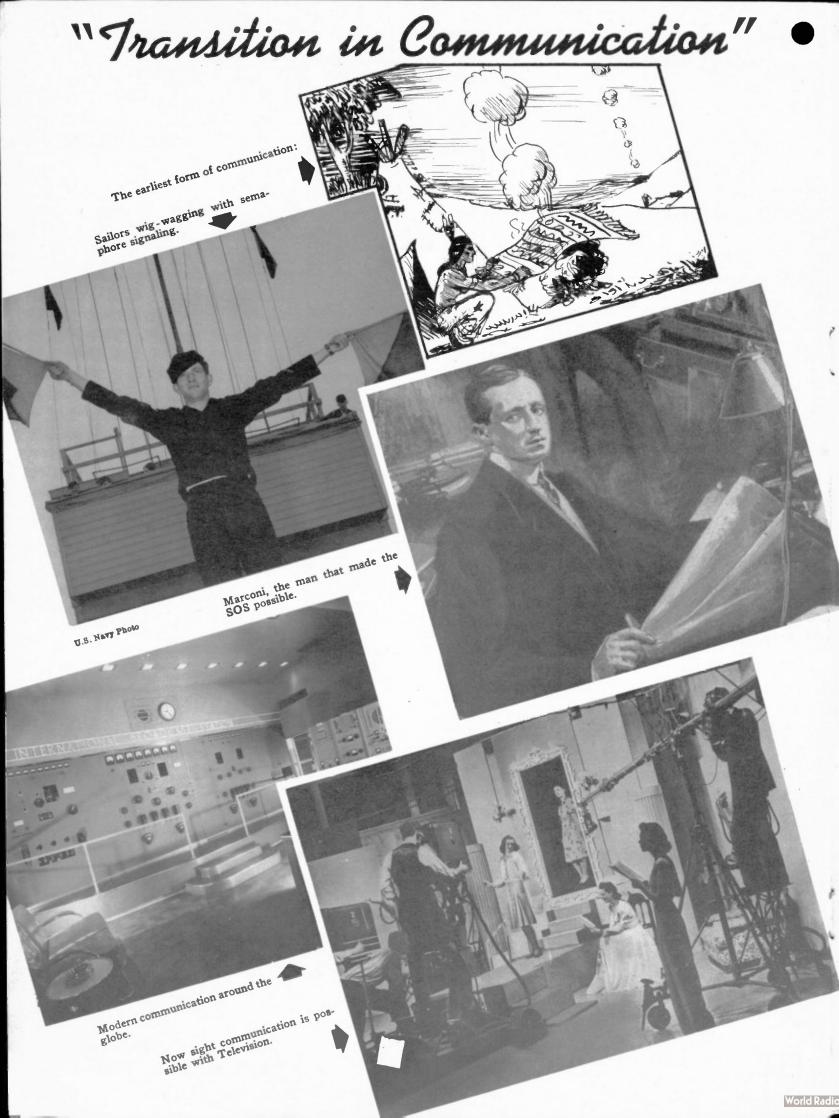
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AND COMES OUT HERE







#### Serving

Constantly striving to produce programs of finer and more discriminating types for a fuller radio listening audience, Radio Station WMC, Memphis, is always on the alert for the latest in electronic engineering developments that they may better augment public services and take their place as directors of public thought. All departments—engineering, programming, and executive, have but one goal in view . . . to more efficiently bring the finest programs to the greatest possible listening audience for the entire period of the broadcasting day.

WMC's tower (to the right) is 611 feet tall.





## WMC Staff





Traffic Manager DOROTHY SUDDUTH has been with the station since the middle of 1938. She is in charge of the scheduling of all programming traffic.



Newest member of the WMC staff is SUE CLEVELAND, secretary to the program manager. MRS. EARL MORELAND (right) is secretary to the commercial manager, and has been with WMC for 12 years. In the circle is JEAN EVANS, who is in charge of the mail received by WMC. She is also vocalist with the station's musical staff.



In conference over a new sales program are WMC salesmen, JOHN C. MERRILL, ERLE J. CUTRER and FRED CARDER, JR.



KATHERINE NELSON, secretary to the general manager. "Miss Kitty" has been with WMC for 22 of its 23 years.



HENRY W. SLAVICK, General Manager of WMC, has been heart and soul in the field of radio since he was seventeen. Starting out as an apprentice in the communications division of the Merchant Marine, he joined WMC in 1924 and rapidly through many positions of responsibility, rose to General Manager in 1930. The many engineering advancements of The Commercial Appeal station are largely due to Mr. Slavick's efforts, as is the design and modern construction of the studios in the Goodwyn Institute Building. Aside from his life in radio, Henry Slavick is very active in civic affairs, has a love for swimming and baseball and claims that his wife and three children are responsible in no small measure for his success.



Entertainment . . . WMC-NBC

cresc. Marion and Jim Jordan .... the beloved FIBBER Mc-TRUTH OR CONSE. Visits Memphis. Lovely Dinah Shore heard on her own program, DINAH SHORE'S OPEN HOUSE.

Memphis in Dexie"

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dio History

The Cream of Network

Roy Acuff, star of GRAND OLE OPRY.

Comics Hope and Colonna heard on the BOB HOPE SHOW.

Conductor Arturo Toscanini of the NBC Symphony.

Over WMC,

Dewe

World Ra





The "Dixie Four," every day over WMC facilities.

#### Enjoyment via WMC





# Events, and News

ROBERT L. PIGUE, chief of the WMC news department, was formerly sports commentator for the station. Bob is married and has two children . . . one son is a captain in the Marines.

"Kaltenborn Edits the News" is a regular evening feature on WMC.

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PENT FOR THE FACE. SERVI

M INTEREST IN THE SUIT Another commentator of national renown to be heard over the joint WMC-NBC facilities is John W. Vandercook.

WMC's own news analyst and commentator is W. C. TEAGUE. "Parson," as he is known, is a graduate of Vanderbilt, is a noted local "emcee," an editorial writer for The Commercial Appeal, and appears on WMC as news analyst and with "Stumpus Court" as one of the experts.

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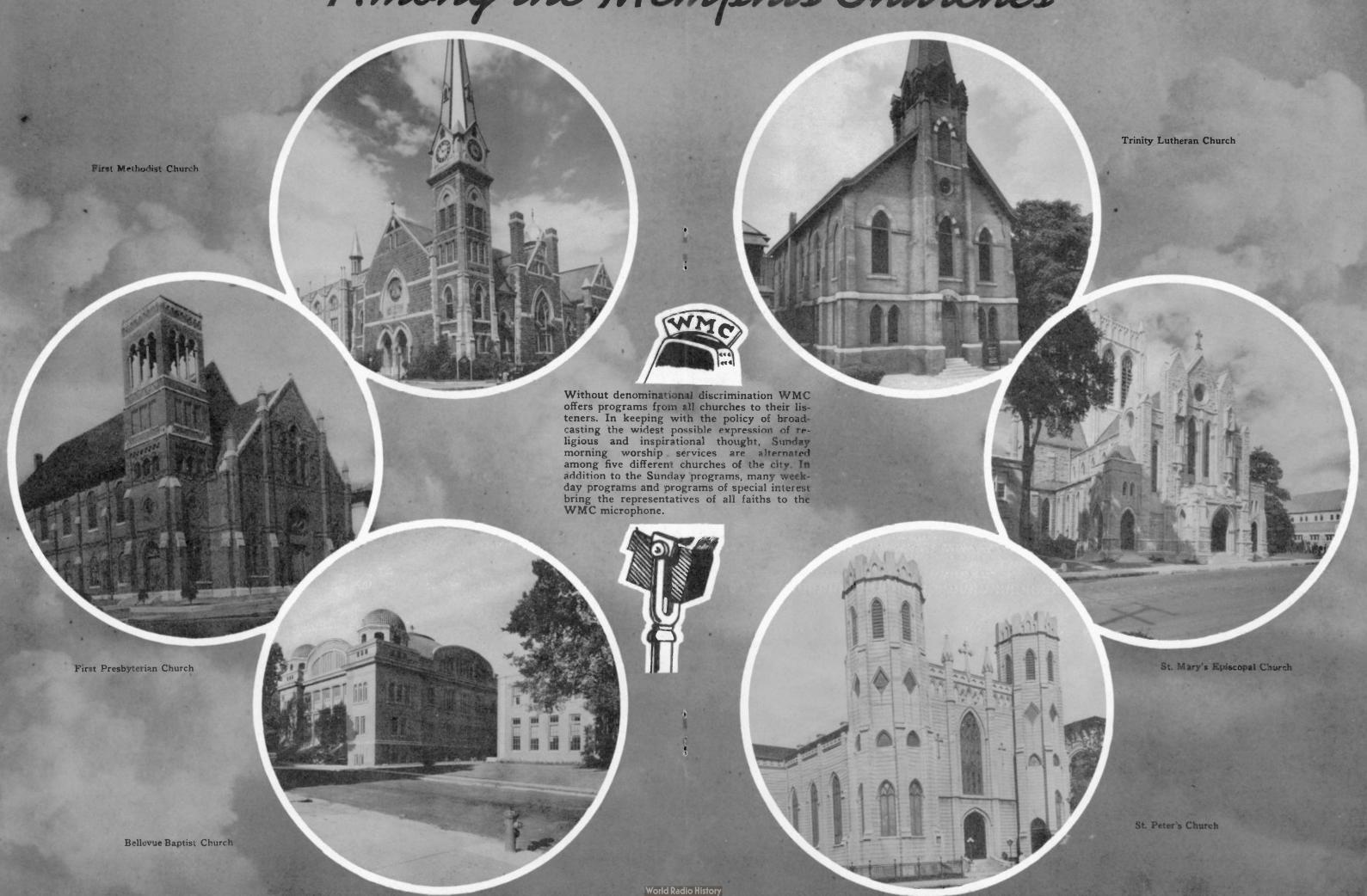
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## Among the Memphis Churches



#### Music and Continuity



W. T. EDGE, JR., continuity writer, confers with ELEA-NOR FITZHUGH, music librarian, musical and program

In the continuity department HARRY ELDRED checks over the material for a show with staff writers JOSEPHINE Graduate of the U. of Tennessee and attended Columbia U. attended Memphis State.

The studio orchestra heard at noon daily is NOEL GILBERT, (in circle) concert master Moel direction of circle)

NOEL GILBERT, (in for the Memphis Symphony. Other members of the orchestra are:

EVANS, Vocalist;
lin; BOB HORSLEY, BLOMBERG, violin; clarinet; JILL BISH-CENT de FRANK, cellist; and CHARLES viol.



### In the "Mike" Department



# Control Studies of modern design and the latest in electronic transmission equipment are the by-word at WMC in order to assure their listen-

This, the largest of WMC Studios, is the scene of most live shows originating at the station.

WMC

Studio One



All a part of the day's work . . . WIL-LIAM H. BRADLEY sets up to record a program while HERBERT W. ZIM-MERMAN and J. R. WHITWORTH (right) check arrangements for a "remote" from one of the city's leading hotels.



B. O. At 790 cm

Auditorium Sindro

ers completely enjoyable and uninterrupted programming throughout the entire period of the broad-casting day.

Unique in the field of radio is the large auditorium which is a part of WMC's studios. This auditorium seats approximately twelve hundred people and is the point of origination of "Young America Sings" and other large auditorium shows ence shows.

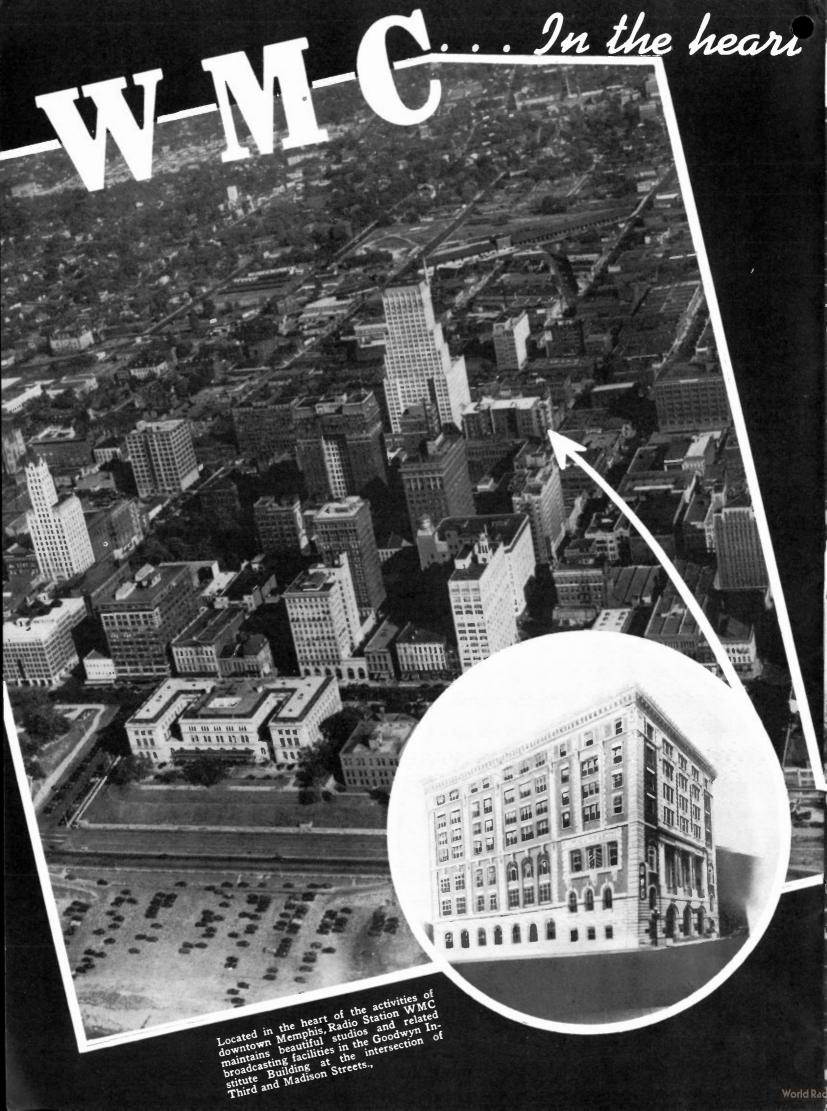
.NBC

WMC Auditorium



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Running a maintainance check on the new transmitter console are LANDON L. COV-INGTON, transmitter supervisor, and engineers CLAUDE W. BASS (center) and GEORGE BUTLER (right).



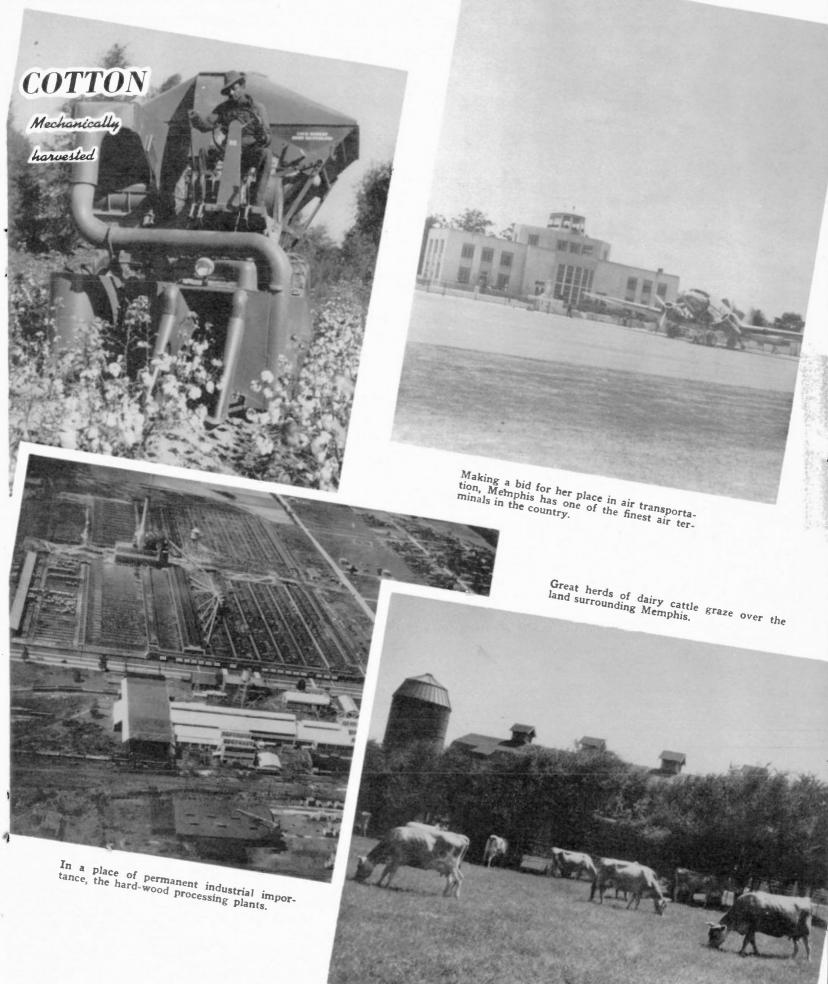
of Memphis . . . "Down in Dixie!"



## Memphis . . . In the heart



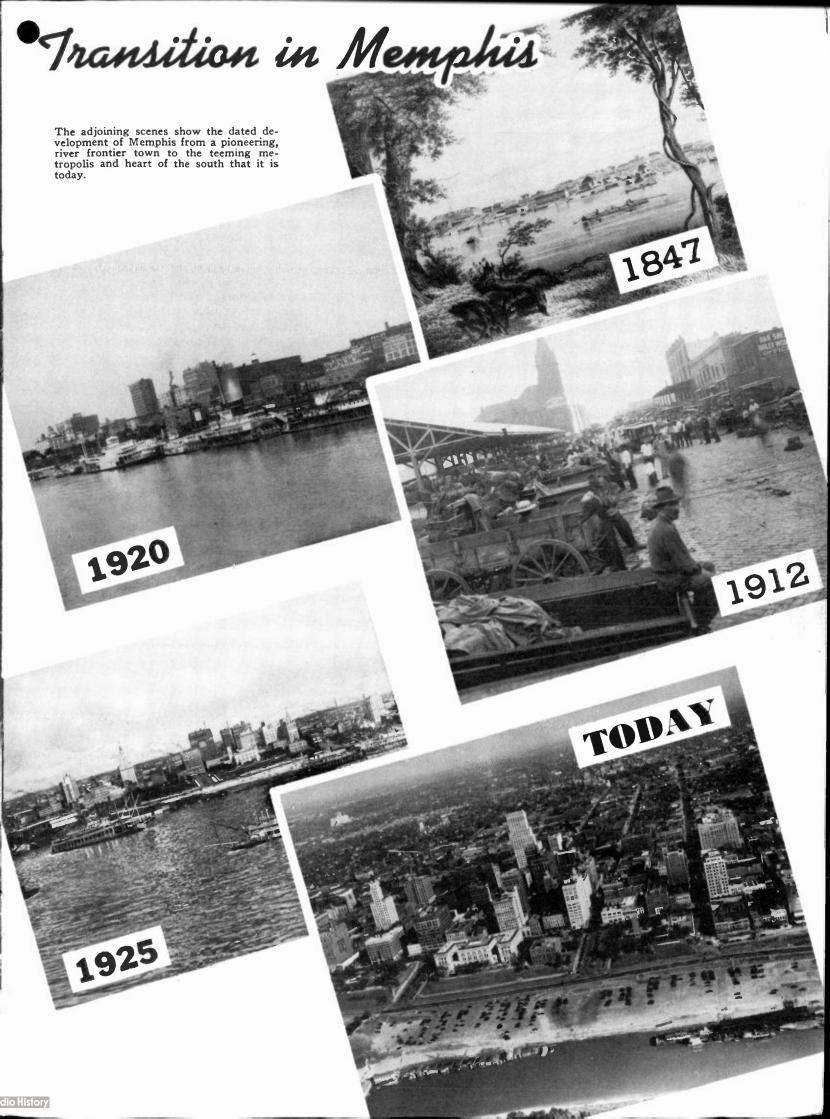
## Southern Agriculture and Industry



Radio History

of Southern Culture





## THE FULLULE IS BRIGHT FOR THE POST WAR SOUTH

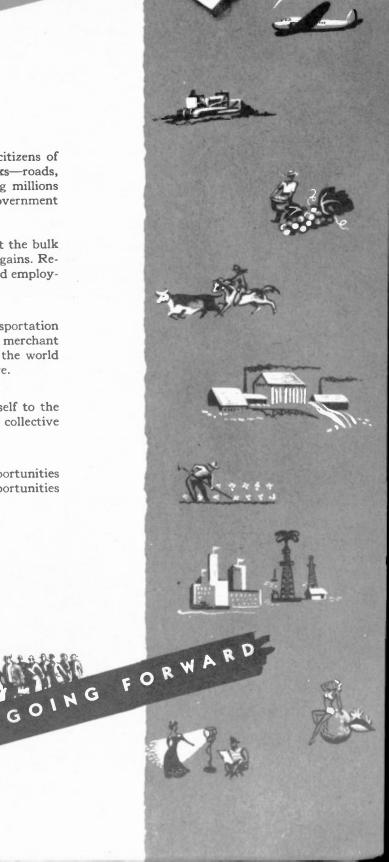
With the same abundant energy and realistic viewpoint, citizens of the South have set their sights to postwar. Public works—roads, bridges, earthwork, airports and building programs costing millions of dollars, are getting under way. Private enterprise and government have already allocated the money.

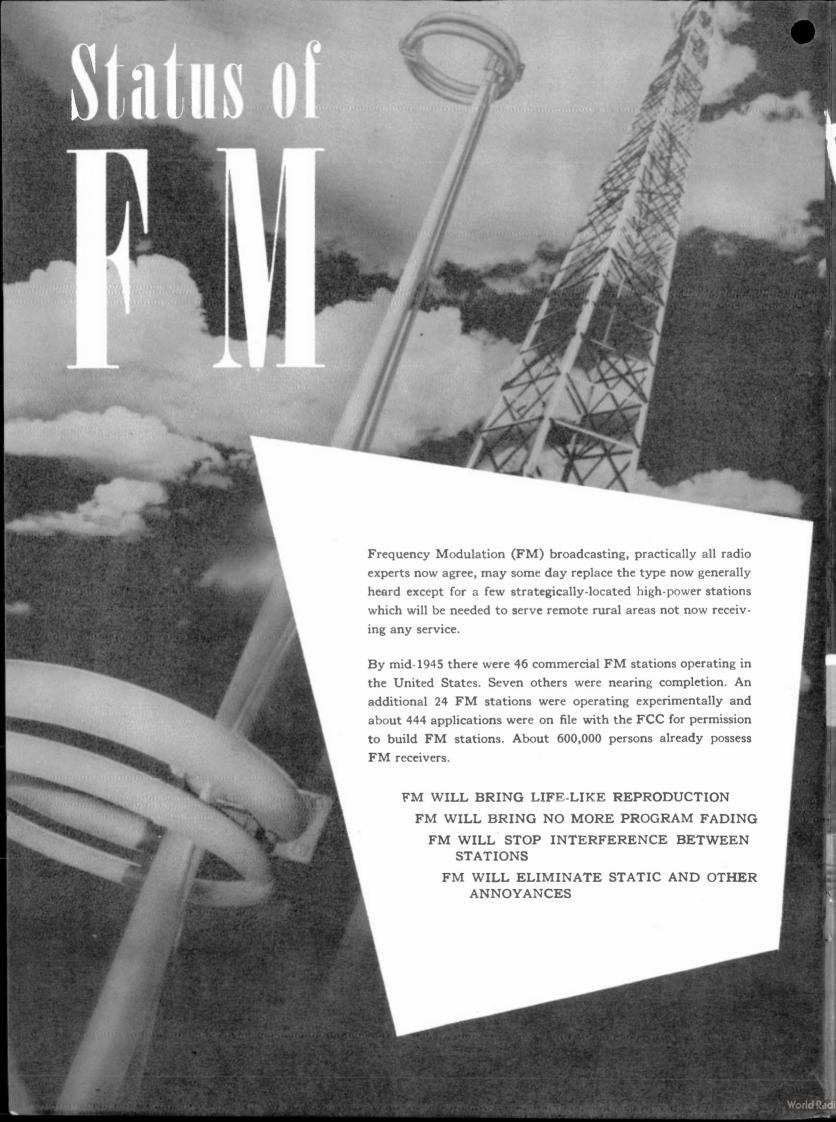
. . Unified effort already set in motion will make permanent the bulk of the South's wartime economic, industrial and population gains. Reconversion plans by private enterprise call for production and employment topping all previous peace-time records.

. . Southern goods will flow through war-expanded transportation systems to wider markets at home and abroad. A war-born merchant fleet will carry the products of the South to the ports of the world to exchange for raw materials for the new industrial empire.

. . The South faced a multitude of problems in gearing itself to the production achievements of war-time. It rolled up its collective sleeves and did a tremendous job.

.. The problems of peace-time are plentiful and big, but opportunities are even bigger. Wise forward planning has put these opportunities within reach, many of them have been saddled already.





## WORLD WAR II ... TO BE

...THE SILENT WEAPON A D

APTED FOR PEACETIME USE

An electronic 'eye' apparently developed independently by U. S., British, French and German scientists in the 1930's, radar owes much of its rapid growth to the advent of war. First used in detection of surface objects in the near-distance under conditions of poor visibility, radar's range and versatility were quickly extended to provide long-range detection of airborne as well as surface objects, accuracy in fire-control, safety in navigation and identification of distant or unrecognizable planes and ships. To radar goes much of the credit for England's doughty defense in the dark days of the 'blitz'; and much of the credit for 'lighting the road' to Berlin and Tokyo.

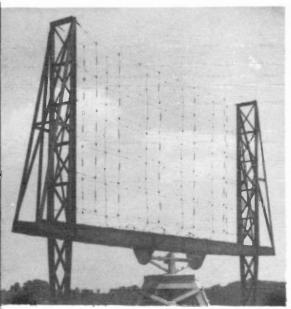
.. Scientists have made great strides in converting the principles of radar to peacetime uses-with the extent limited only by the field of imagination.



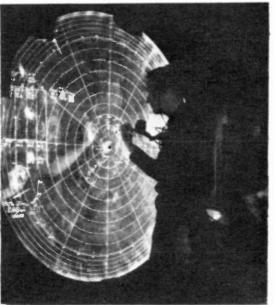
Five-man Army radar crew in Italy track approach of enemy planes.



Prelude to the first test of radar, experimental work on the roof of the Naval Research Laboratory in Anacostia, D. C.



The antenna of the first complete radar, installed 'topside' a building at Naval Research Laboratory in Anacostia, D. C. It is mounted so that it can be turned to allow for around-the-compass search.



Information provided by radar's electronic eye is marked down on vertical chart, in radar plot room aboard aircraft carrier. Behind the transparent chart, other men chart other aspects of incoming information.



Symbolizing close tie-line munications between aircraft carrier and plane supplied by radar, photo shows Navy Avenger speeding past Essex-class flattop with latter's radar antennae outlined against the sky.

The VETERANS'

RIGHTS AND BENEFITS \*

MUSTERING-OUT PAY . \$100 for less than 60 days service; \$200 for 60 days or more plus foreign service. \$300 for 60 days or more plus foreign service. MUSIEKING-UUI PAY ... \$100 for less than ou days service; \$200 for but days or more but no foreign service; \$300 for 60 days or more plus foreign service.

Payable to all with base pay less than \$200 monthly at time of discharge. or more out no roreign service; \$300 for ou days or more plus foreign service.

Payable to all with base pay less than \$200 monthly at time of discharge; payments to be made in three installments.

OLD JOBS . . Permanent jobs abandoned to enter service after May 1, 1940, ments to be made in three installments. OLD JOBS. Permanent jobs abandoned to enter service after May 1, 1940, may be recovered by application within 90 days after discharge. In case of difficulty, contact local Reemployment Committeeman.

NEW JOBS . . Register with nearest U. S. Employment Service office as soon NEW JUBS. Register with nearest U.S. Employment Service office as soon as possible after discharge. GI Bill provides vocational training with government as possible after discharge. \$75 monthly while learning. Veterans are on the orealletments of from \$50 to \$75 monthly while learning. as possible after discharge. GI Bill provides vocational training with government allotments of from \$50 to \$75 monthly while learning. Veterans are on the preferred list for Civil Service jobs, and are entitled to 5 to 10 points in examinations simply by reason of military service

EDUCATION . . GI Bill provides year's refresher course; plus education equal to actual time in service up to four years. Veterans' Administration pays equal to actual time in service, up to four years. Veterans' Administration pays \$500 per school year toward tuition. supplies. etc.: also provides subsistence simply by reason of military service. equal to actual time in service, up to four years. Veterans auministration pays \$500 per school year toward tuition, supplies, etc.; also provides subsistence \$650 per school year toward tuition, supplies, etc.; also provides subsistence \$650 per school year toward tuition, supplies, etc.; also provides subsistence \$650 per school year toward tuition, supplies, etc.; also provides subsistence \$5000 per school year toward fultion, supplies, etc.; also provides subsistence \$65 monthly for single veterans, \$90 monthly for veteran with dependents.

No subsistence allowance for those taking correspondence courses. nonthly for single veterans, pyo monthly for veteran with No subsistence allowance for those taking correspondence courses.

READJUSTMENT PAY . . Federal unemployment-compensation program READJUST WEINT PAY . . recerat unemployment-compensation program grants veterans four weeks unemployment pay for every month of active service after Sept. 16, 1040 up to 52 weeks. If veteran is completely unemployed, he grants veterans four weeks unemployment pay for every month of active service after Sept. 16, 1940 up to 52 weeks. If veteran is completely unemployed, he services services after Sept. 16, 1940 up to 52 weeks. If veteran is completely unemployed. after Sept. 16, 1940 up to 52 weeks. If veteran is completely unemployed, ne receives \$20 a week. Contact local USES on state unemployment compensation

LOANS. Veterans' Administration will guarantee loans for a home or farm LUAND. Veterans Administration will guarantee loans for a nome or farm up to \$4,000, and for a business up to \$2,000 anytime within five years after discharge. Real estate loans must be repaid in 25 years farm realty loans in up to \$4,000, and for a pusiness up to \$2,000 anytime within five years after discharge. Real estate loans must be repaid in 25 years, farm realty loans in benefits.

PRIVATE ENTERPRISE . Preference given veterans in obtaining surplus 40 years, and non-real estate loans in 10 years. government property for business purposes but not for resale. War Plante priority in purchase of raw materials and equipment from Smaller War Plante government property for business purposes but not for resale. Veterans given priority in purchase of raw materials and equipment from Smaller War Production Roard and Office of Corp. the Form Security Administration. priority in purchase of raw materials and equipment from Smaller War Plants Corp., the Farm Security Administration, War Production Board and Office of Defense Transportation

MEDICAL CARE . . Through Veterans Administration, hospitalization pro-MEDICAL CARE. Through Veterans Administration, hospitalization provided for veteran for any ailment as long as he lives, without cost. Medical vided for veteran for any ailment as long as he lives, without cost. It the conservice or dental care not requiring hospitalization provided by VA, if the condition was caused or aggravated in line of duty Defense Transportation.

INSURANCE. Veteran may keep his national service life insurance in force for 8 years and then convert to ordinary life twenty navment or 30-navment life. dition was caused or aggravated in line of duty. THOURANCE .. veteran may keep his national service he insurance in force for 8 years and then convert to ordinary life, twenty-payment or 30-payment life.

LEGAL EXEMPTIONS . . For six months after discharge, veterans have legal exemption under Soldiers and Sailors Civil Relief Act of 1940, from lawsuits for collection of debts collection of taxes sale of property for taxes disposession exemption under soldiers and saliors Civil Rener Act of 1940, from lawsuits for collection of debts, collection of taxes, sale of property for taxes, dispossession of debts, collection of taxes, and collection of incurance premiums of dependents for nonpayment of rent and collection of incurance premiums. collection of depts, collection of taxes, sale of property for taxes, dispossession of dependents for nonpayment of rent, and collection of insurance premiums.

DISABILITY PENSIONS . Free vocational rehabilitation provided for disabled vets plus \$105 monthly if single. \$115 if married plus \$10 monthly disabled vets, plus \$105 monthly if single; \$115 if married, plus \$10 monthly for first child and \$7 for each additional child and \$15 for each dependent disabled vets, plus \$100 monthly it single; \$110 it marned, plus \$10 monthly for first child and \$7 for each additional child, and \$15 for each dependent to the child and \$7 for each additional child, and \$15 for each dependent with disability due to service veteran may be entitled for first child and \$1 for each additional child, and \$15 for each dependent parent. If discharged with disability due to service, veteran may be entitled to disability benefits including a pension. Amounts payable from \$11 to a parent. It discharged with disability due to service, veteran may be entitled to disability benefits including a pension. Amounts payable from \$11.50 a month to \$115 a month for 100% disability.

If there is no Veterans' Administration Office your home town write to the nearest Field Station. Address, "Manager, Veterans" Administration"-



Newest! Jinest!

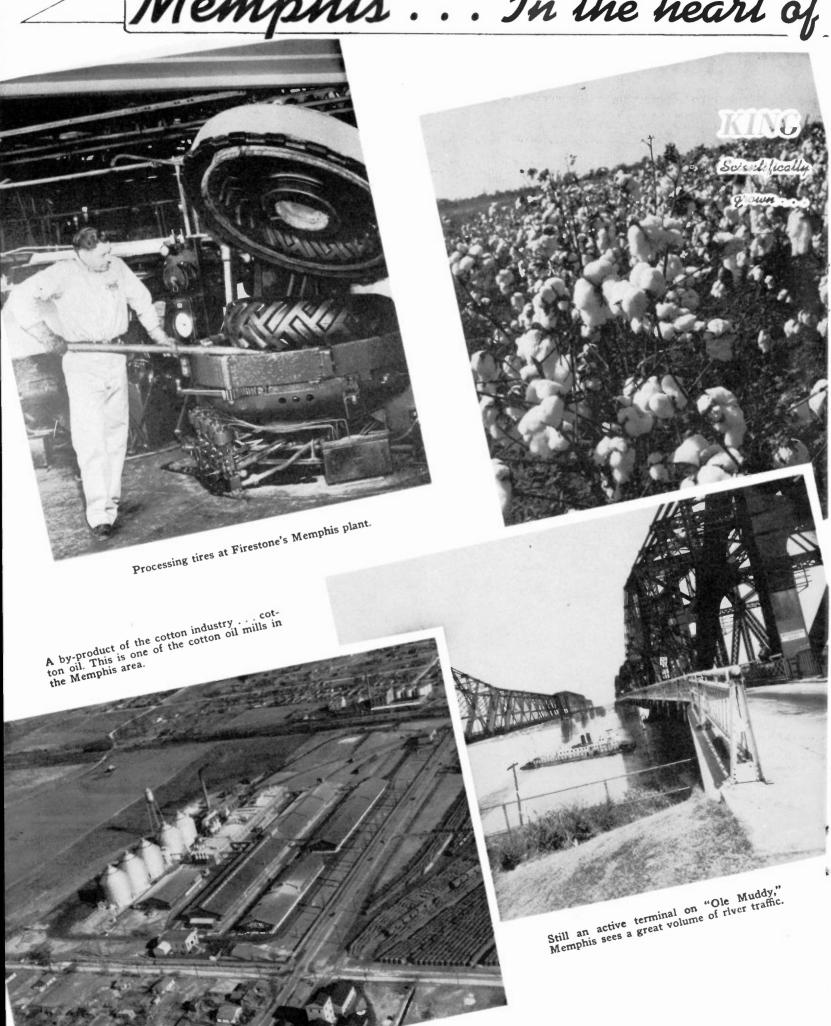


and Control Console 5,000 watts, 790 kilocycles, and 18 hours-a-day every day for your listening pleasure

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This brochure compiled and edited by Charles W. Ringel, Editor, National Radio Personalities. Photography by the editor. Scenes about Memphis, courtesy of the Memphis Chamber of Commerce.

#### Memphis . . . In the heart of



### of Southern Culture



"...and Ole Man River, he just keeps rollin' along"