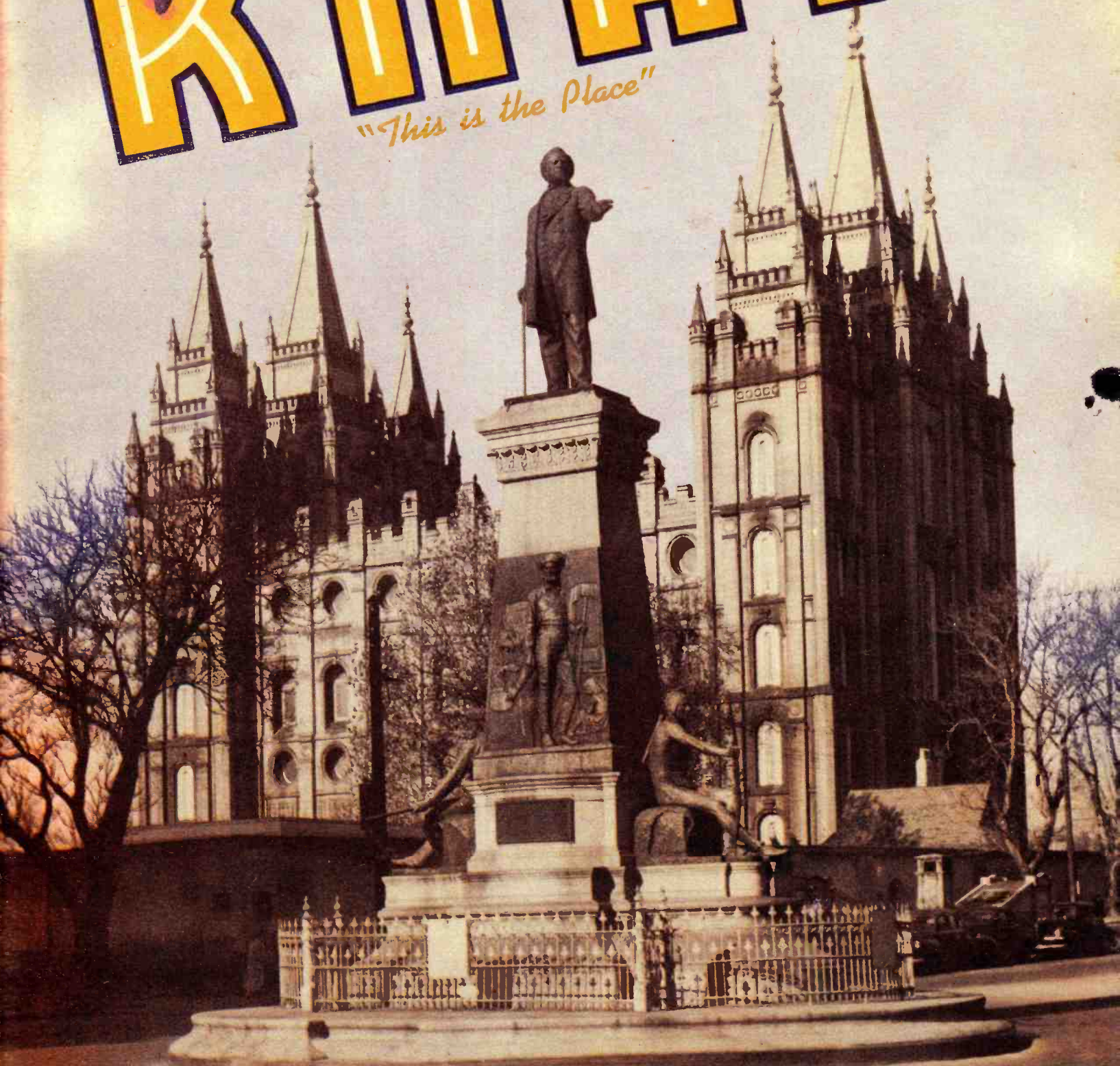


"Radio in Victory" as presented by:

KNAK

"This is the Place"



"Your Music Station" ... Salt Lake City, Utah

KNAK

ABS NETWORK

OWNED AND OPERATED BY GRANITE DISTRICT RADIO BROADCASTING COMPANY

Dial 58113

STUDIOS: 219 CONTINENTAL BANK BLDG.
SALT LAKE CITY 1, UTAH

March 8, 1946

Dear Reader:

The management and staff of Radio Station KNAK are happy to present this brochure "Radio In Victory" in cooperation with the editors of "Radio Personalities."

It is not only our pleasure but our duty as a radio station in our great city of Salt Lake to render that service which a public service medium shall be required to do. It is our hope that the reader of this brochure will become acquainted with our efforts to further public interest and civic enterprise which is the ultimate idea behind radio broadcasting.

Yours very truly,

Howard D. Johnson

HOWARD D. JOHNSON
President

COMPLIMENTS OF

W. A. ... STORE

... ADVANCES

Going forward with RADIO

TRIBUTES

IN COMBAT

"The infantry, mechanized units, warships, transports, bombers and fighter planes would be tremendously handicapped without radio communications."

Radio helps to time the attack, to locate the enemy and aid the artillery . . . Radio is the voice of the commanders on the beachheads, at the bridgeheads, of troops in foxholes, of sailors in lifeboats, or on rafts.

Radio co-ordinates military and naval operations, it saves lives, time and materiel. The split-second precision of the mighty air squadrons flying over Tokyo would be impossible without radio instructions, coordination and navigation.

Radio at the same time is used to confuse the enemy, to prevent concentration of interceptor forces, and to draw enemy fighter planes to another city distant from the target."

LIEUT. GEN. JAMES T. HARBORD
U. S. Army

AT HOME

BROADCASTERS look forward to the new year fortified both by improved technology developed in the stress of military crisis and by new methods of bringing culture and entertainment to the American audience—an audience that has enjoyed the finest broadcasting in the world.

FM, television, facsimile and other developments are emerging from the laboratory into the field of commercial broadcasting. Again America is taking the lead in introducing these newest products of the scientist's genius.

Those in whom rests the responsibility of maintaining this free radio system look back to the trying war months with pride as they recall the performances of American radio in time of crisis. They are pleased that all elements in the national life have recognized radio's efforts to fulfill its obligation.

The NAB enters the new year with the strongest organization in its history. All departments have been or are being re-equipped to meet the growing needs of an expanding industry; new departments are being added as the need arises.

All progress brings problems—difficult problems for which frequently no precedents exist. NAB is preparing to anticipate and to meet these situations as they develop. Broadcasters again pledge their time, their energies and their hearts to the people of the United States, a nation which has come to depend upon American radio as the dominant force in preserving its democratic way of life.

JUDGE JUSTIN MILLER President
National Association of Broadcasters

The Office of War Information has seen many examples of local radio solving local problems in the national interest. We take this occasion to recognize your potency as an ingredient of victory.

Elmer Davis, Director
Office of War Information.

I believe that one of the brightest pages in the story of America's mobilization for total war will be the account of how the entire radio industry threw all of its vast resources into the fight, without reservation, with complete unselfishness and with a determination characteristic of true Americans.

Edward M. Kirby, Col. AUS
Office of Public Relations
War Department.

Radio is doing a perfectly grand job of recruiting and disseminating news and general information for the Navy, of interest to those who have to stay at home.

J. Harrison Hartley, Commander.
Office of Public Relations
Navy Department.

I wish to extend my appreciation for the splendid cooperation the radio industry as a whole has given our efforts.

Paul V. McNutt, Chairman
War Manpower Commission

Broadcasting plays an important part in the success of our farm program.

Claude R. Wickard, Secretary
Department of Agriculture.

If there is one indispensable aid to the successful prosecution of the sale of War Bonds, then that aid is radio.

T. R. Gamble, Director
War Finance Division
Treasury Department.

Every minute of radio time given us, left Germany and Japan an hour less in which to exist and their time is now running short. They don't like what the people you helped us get, are doing to them.

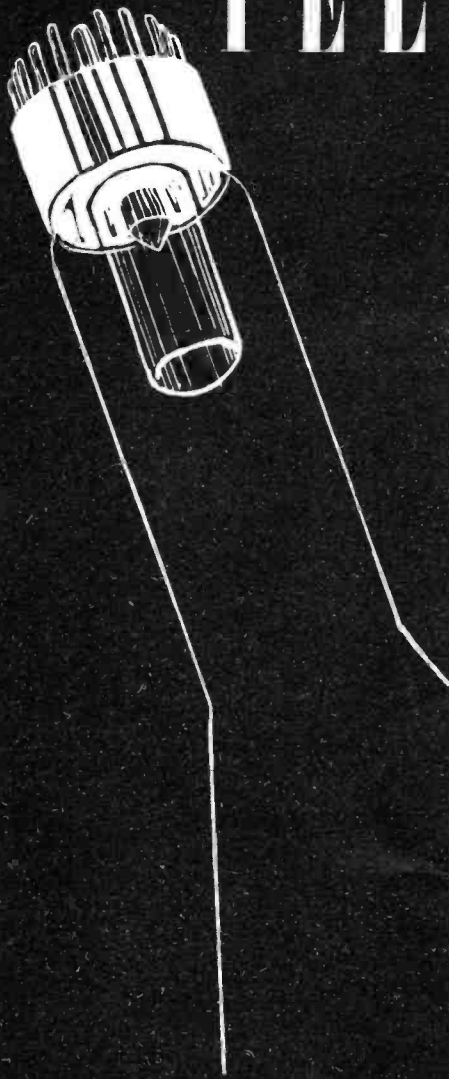
General Jerry V. Matejka
Office of Chief Signal Officer
U. S. Army

The importance of radio broadcasting in the national war effort is self evident and can hardly be overstated.

James Lawrence Fly,
former Chairman
Federal Communications Commission.

In one year, the total contribution of advertisers, broadcasting stations and networks, to the campaigns carried on by the Government in furtherance of the war, amounted to more than \$202,000,000.

TELEVISION

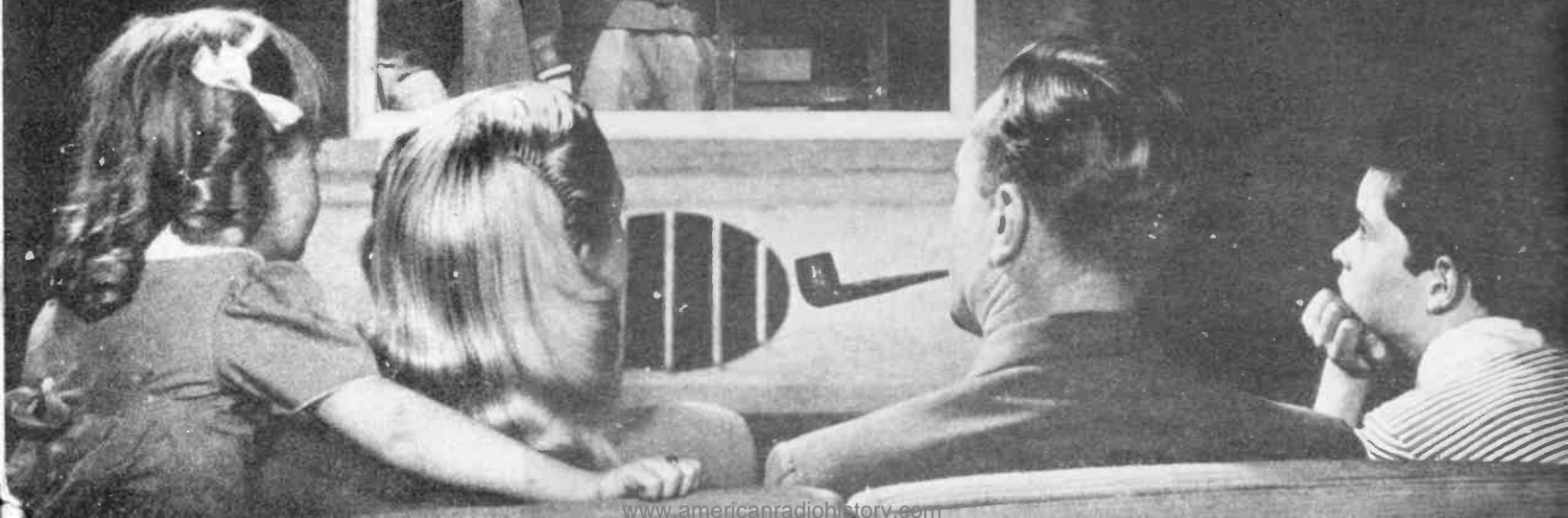


For more than 60 years scientists have been striving for means of seeing events remote from the observer. The scanning disc was invented by Paul Nipkow in 1884. The basis for all modern electronic television was described by Campbell Swinton in 1911, but it took years of work by Vladimir Zworykin before 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.

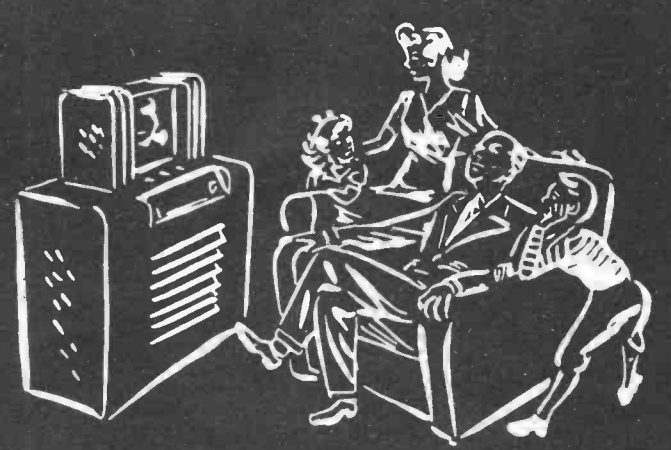
Today there are 9 television stations in operation, and the FCC has applications for permission to construct 140 others. On the East Coast, approximately 10,000 television receiving sets are now in use.



IT GOES IN HERE



AND COMES OUT HERE



TRACE A FIGHTER'S RECORD

BY HIS SERVICE RIBBONS ★ ★

OUR ARMY ALONE WEARS THESE



DISTINGUISHED SERVICE CROSS
Second most important army medal. Awarded U.S. soldiers for extraordinary heroism in military operation against enemy.



DISTINGUISHED SERVICE MEDAL
Awarded any member of U.S. Army who distinguishes himself or herself by meritorious service in a duty of great responsibility.



DISTINGUISHED UNIT BADGE
Awarded army unit twice cited for outstanding performance in action. Authorized by presidential executive order.



GOOD CONDUCT MEDAL
Awarded soldier who after Aug. 17, 1940 completed 3 yrs., or who after Dec. 7, 1941 complete 1 yr. of active Honorable Service.



SOLDIERS MEDAL
Awarded to any persons serving in any capacity for heroism not involving actual conflict with enemy.



THE OAKLEAF CLUSTER
Takes the place of the actual award of another medal for the same decoration previously presented.

THE GOLD STAR
Worn on the ribbon or service ribbon of any medal previously awarded. Indicates that the wearer has more than once been cited for the same decoration.



OUR ARMY AND NAVY BOTH HAVE THESE



SILVER STAR
Awarded to any person who has distinguished himself by gallantry and intrepidity in action.



PURPLE HEART
Awarded to persons wounded in action. Our oldest decoration, originally issued by Washington in 1782.



CONGRESSIONAL MEDAL OF HONOR
Mark of an exceptional hero. Awarded for gallantry at risk of life beyond call of duty. Presented by the President for Congress.



AIR MEDAL
All Services
Awarded any person serving with Army, Navy, Marines or Coast Guard, who distinguishes himself by achievement in flight.



DISTINGUISHED FLYING CROSS
Highest aviation honor given to American and foreign air men serving U.S. for extraordinary achievement in flight.



VICTORY MEDAL
Authorized to all Members of our armed forces who saw active service in First World War.



AMERICAN DEFENSE MEDAL
Worn by men in active service during national emergency preceding our entry into the war. Referred to as "Before Pearl Harbor Ribbon."



AMERICAN THEATER
Worn by those in active service in this hemisphere outside continental U.S. in this war. Note black and white stripes for Germany. Red and white for Japan.



ASIATIC-PACIFIC CAMPAIGN MEDAL
Issued for award to members of the Army and Navy for active service in the theaters indicated. Note the red and white jap colors at either end.



EUROPEAN-AFRICAN-MIDDLE EASTERN
Issued to men who have been on active duty in these theaters of war. Center green represents Europe and brown represents Africa.

THESE ARE WORN BY OUR NAVY PERSONNEL



DISTINGUISHED SERVICE MEDAL
Awarded to any member of the Navy of U.S. who distinguishes himself or herself by exceptional meritorious service.



NAVY CROSS
Awarded for heroism or meritorious conduct in Naval Service during time of peace as well as for valor in action.



EXPEDITIONARY MEDAL
Officers and men who have participated in a campaign are eligible. A bronze star issued for each added expedition.



GOOD CONDUCT
Awarded enlisted Navy men for perfect service record and has shown marked proficiency in performing his duties.



MERCHANT MARINE
Awarded by our Maritime Commission to men of the Merchant Marine who committed Heroic Deeds under attack.

FOR THE NAVY - MARINES AND COAST GUARD



NAVY & MARINE CORPS MEDAL
Awarded to any member who has distinguished himself by heroism not involving conflict.



PRESIDENTIAL UNIT CITATION
Awarded to Navy & Marine corps units for service in combat action above expected high standard.



BREVET MEDAL
Awarded to Marines for distinguished conduct in presence of enemy.



GOOD CONDUCT AWARD
Awarded to a Marine who has completed his 1st enlistment with a high marking in efficiency, neatness, and intelligence.



COAST GUARD GOOD CONDUCT MEDAL
Awarded enlisted man for perfect service record and has shown marked proficiency in performing his duties.

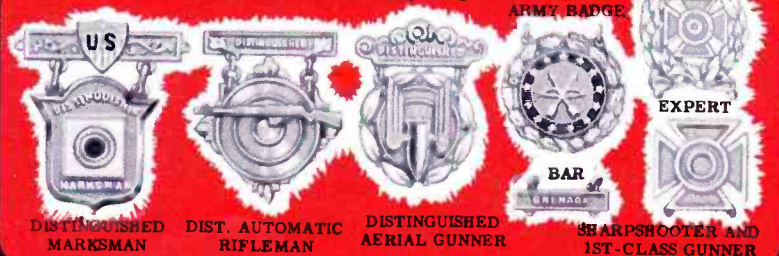


LEGION OF MERIT
Awarded to combatants and non-combatants for extraordinary fidelity and service. May be presented to foreigners.



LIFE SAVING MEDAL
(Red Ribbon-Gold Award; Blue Ribbon-Silver Award)
Presented for Heroic life saving at sea, to civilians as well as service men.

SPECIAL MERIT AWARDS



KNAAK

Introduces the New...

Associated Broadcasting System

The program structure of the Associated Broadcasting System, the new fifth network, has been built as a well rounded production of news, sports, music, and an all out effort to provide public service features in cooperation with all departments of state and national government throughout the country. News coverage of the ABS is on a par with that offered by any other network, featuring five minute newscasts on the hour except times when these periods are superseded by commentators of national renown. The ABS sports coverage includes the broadcast of feature races from various tracks throughout the country, the World Series highlights as presented by Bert Wilson, and Ray Schmidt's nightly feature, "The A to Z of Sports." In the field of public service they present such features as the Nimitz Day ceremonies and the terrific "Cavalcade of the Pacific."

The Associated Broadcasting System officially began sixteen hours-a-day service from coast-to-coast in the major cities of the United States on Sunday, September 16, 1945. The chain was formally opened with an inaugural address by Paul A. Porter, Chairman of the Federal Communications Commission.

Leonard A. Versluis, President of ABS, is the owner of Radio Station WLAV, Grand Rapids, Michigan, and is widely known as a mid-western business executive. Mr. Versluis, a native of Grand Rapids, entered the field of radio late in the year of 1936. He was instrumental in the development of the Wolverine Network (Michigan) and in addition to his many radio activities, operates successfully a chain of photographic studios throughout the state of Michigan.



Leonard A. Versluis, President of ABS



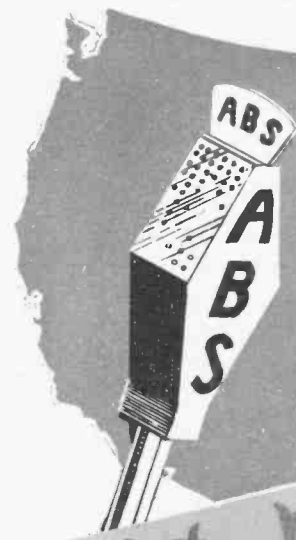
Other executives of the Associated Broadcasting System are: No. 1, Clayton W. Kuning of Grand Rapids, Vice Pres. and General Manager of ABS; No. 2, Executive Vice President Roy C. Kelly; No. 3, William G. Henderson, Director of Station Relations; No. 4, George Funkey, Supervisor of Engineering for ABS; and No. 5, Van C. Newkirk, Vice President in charge of the west coast.

Sparkling Programming



The United States Army Band under the direction of Chief Warrant Officer Hugh Curry is a regular ABS Network feature every Wednesday night from 6:05 to 6:30 MST.

The United States Spar Band as "Women of America" is heard on the ABS Network every Saturday at 10:05 MST.

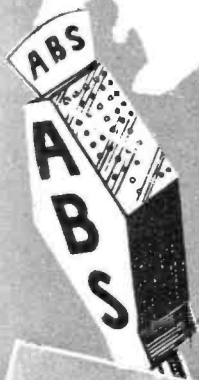


John B. Hughes, ABS's Far Eastern expert and commentator on national affairs, is broadcast Tuesdays through Saturdays on "News and Views by John B. Hughes."



George Fisher's latest on Hollywood's greatest is heard on "Hollywood Whispers." Here he is with Jimmy Dunn, left, and lovely Virginia Mayo.

Across the Nation via... ABS



The Navy School of Music Band and Chorus as they appeared on ABS's inaugural broadcast. The Navy Band is a Thursday night "regular" on ABS.



The "Haven of Rest" with First Mate Bob (Paul Myers), is heard Tuesdays, Thursdays, and Saturdays at 9:00 a. m. MST over ABS's facilities.



Mark Austad's outstanding commentary, "Today in Washington" is a regular evening feature, Monday through Friday on the ABS Network.

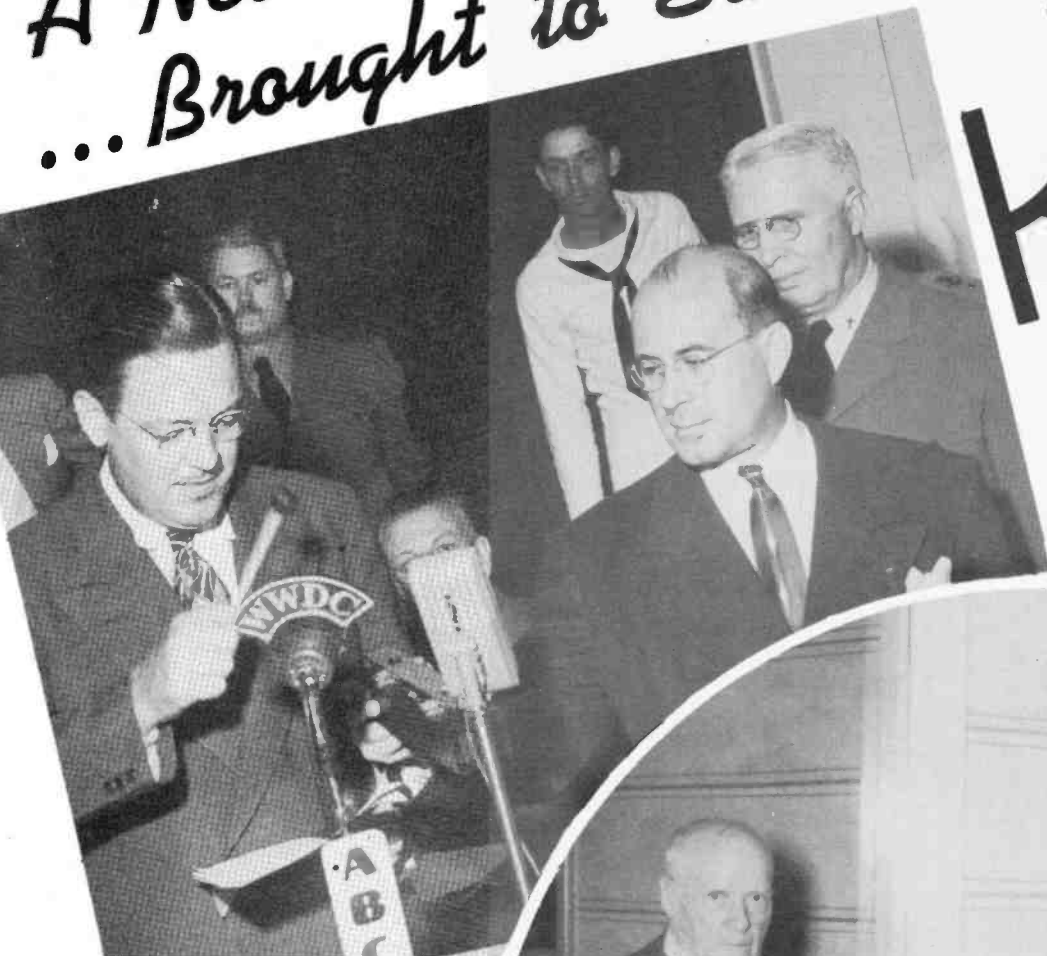


Commentator, newsman, soldier of fortune, Ian Ross MacFarlane is now recognized as one of the outstanding radio newsmen to be heard on the air. ABS, nightly, Monday through Friday.

*A New Network is Born!...
... Brought to Salt Lake Listeners
by*

KNAK

Paul Porter, left, Chairman of the Federal Communications Commission, strikes the gong which officially opened the new ABS Network. Leonard A. Versluis, President of ABS holds the gong.



Appearing on the initial broadcast of the ABS were many dignitaries including Brigadier General Robert N. Young, USA, Commanding General, Military District of Washington.

To bring to Salt Lake listeners the diversified programs scheduled by ABS, Willis Johnson, left, and Mayor Earl J. Glade of Salt Lake City, throw the necessary switches to connect Radio Station KNAK to the ABS Network on the exact instant that the network officially came into existence.

K-NAK



... Through these pages, KNAK extends its hand in welcome to its many friends, listeners and advertisers for their warm-hearted and unceasing support . . . it is to these people to whom this book is cordially dedicated . . . we hope you enjoy your "pictorial visit."



KNAK's Reception Room

Let us pause here in the reception room of Station KNAK to find out what it is we are to see. In addition to the familiar voices pictured here in the category of the announcing staff, we will be introduced to the management, the programming department, and the engineering staff so necessary to the smooth and efficient running of a modern radio station. Also pictured are the studios, technical equipment, continuity staff and many of the favorite programs.

Receptionist

Greeting visitors at the studios of KNAK is receptionist HENRIETTA PROWS. Henrietta is a native of Farmington, Utah, is married, and attended both Weber College at Ogden and the University of Utah at Salt Lake City.

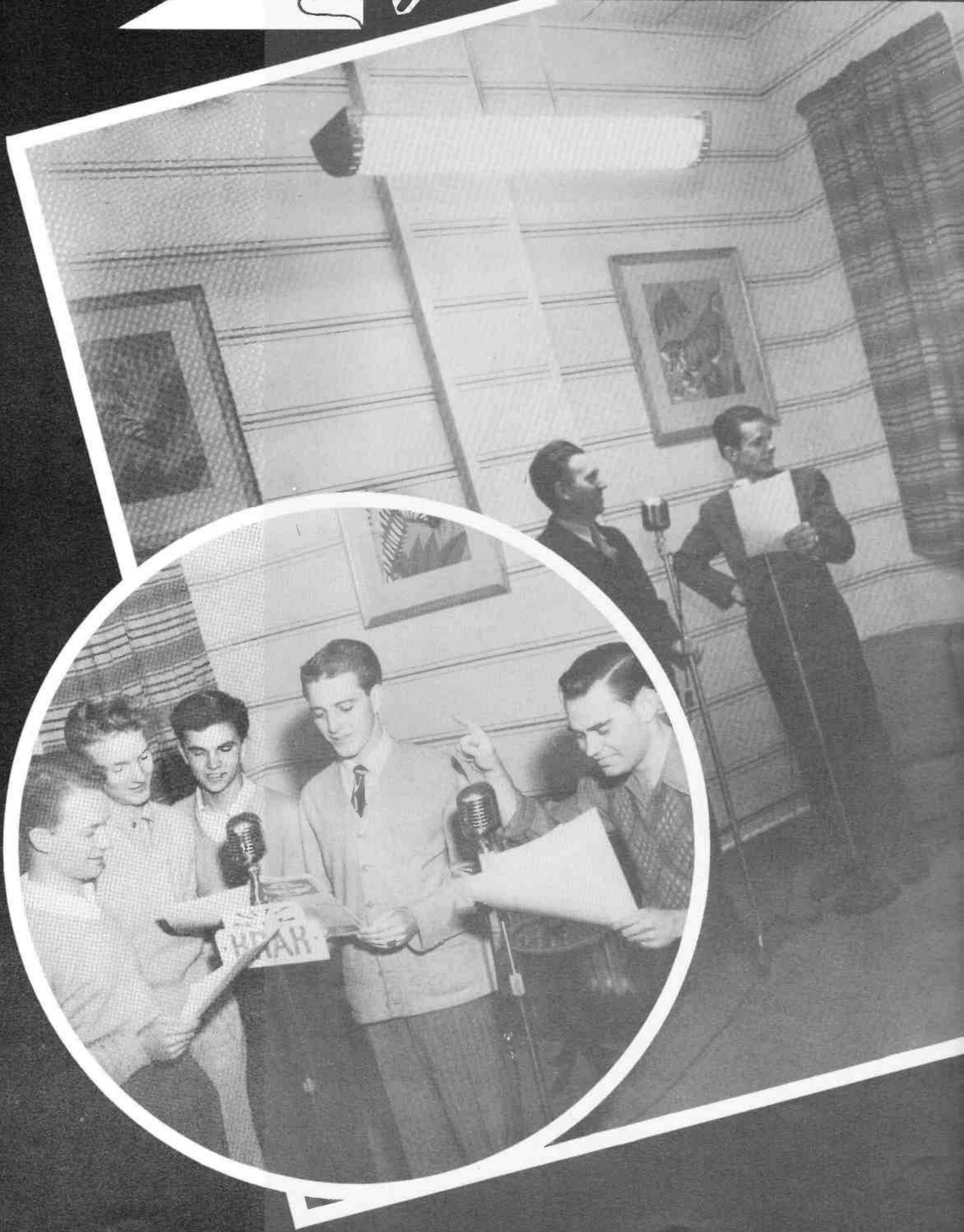


The KNAK Audition Lounge



An announcer, a vocal "find," a new program for your enjoyment, or some special events broadcast not scheduled for the regular studio . . . just about anything you can imagine in the field of radio may have its start here in the audition lounge.

"You are on the



Air!"



Control No. One

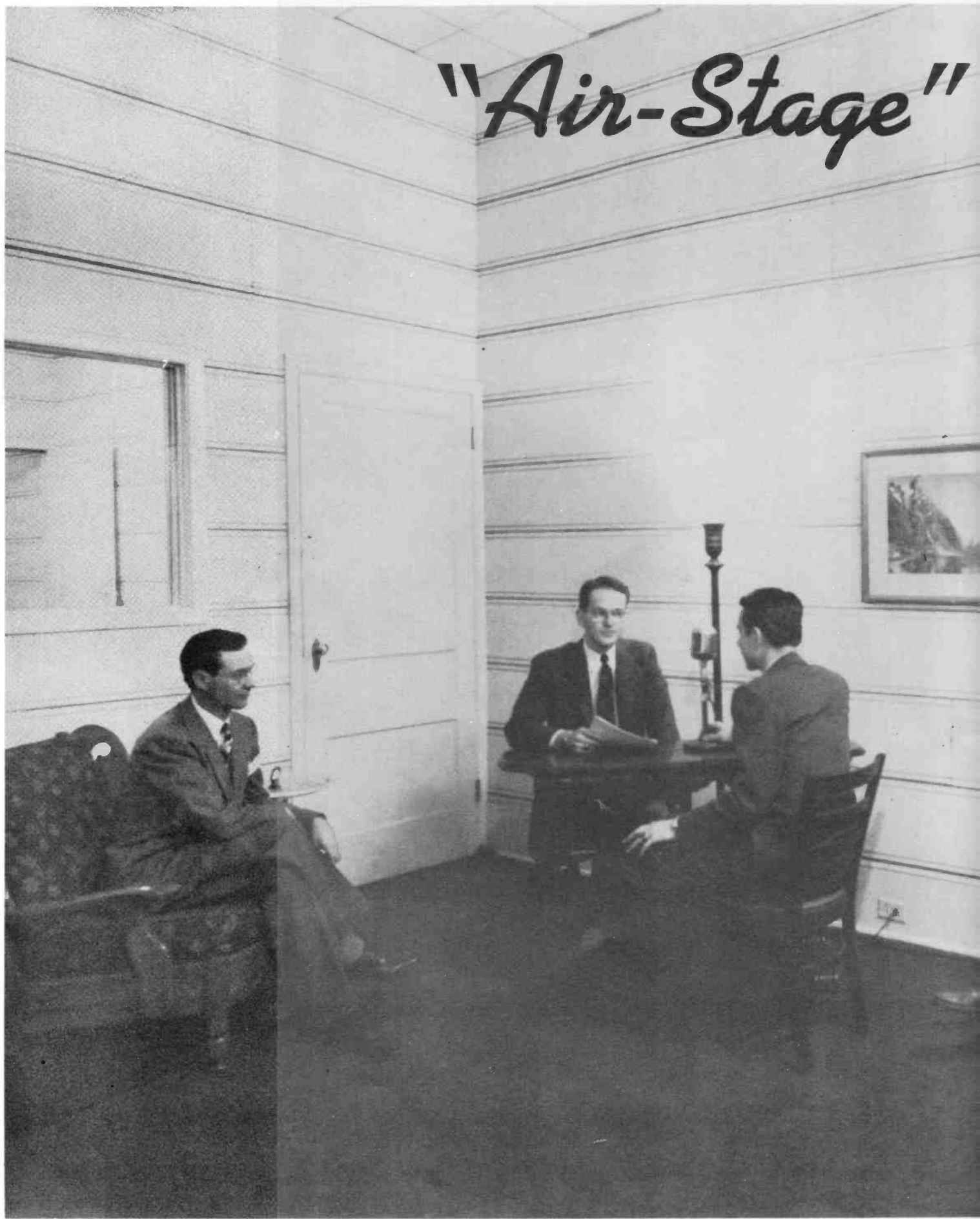
This is point of central control and coordination of most of the broadcasting activities in a day at KNAK.

Studio No. One

Studio No. One, the larger of KNAK's studios, is the scene of most of the live programs that are broadcast. With the exception of the announcers' booth, this is the most active part of the facilities of "Your Music Station."



"Air-Stage"



No. Two



Announcer's Booth

Here is about the busiest place known to the radio industry . . . the "hang-out" of the mike-men. A large portion of the day's programs originate in this tiny space in addition to the local news broadcasts and station "breaks."



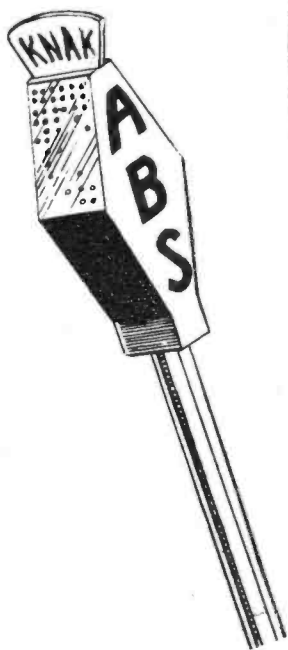
Control No. Two

It might go 'round and 'round in Studio Two, but it has to come out here, as this is the place where mikes are controlled and the "platters" are spun . . . in fact just about anything goes as long as it makes a more enjoyable program for KNAK listeners.

"Mike-Men,"

Production manager **LARRY SUTTON** leaves his desk to take his turn at the KNAK "mike." Larry appears on "Java Jamboree," and "Invitation to Dance."

DICK FARR, KNAK's accountant, is another of those versatile people at "Your Music Station" that take time out to handle a program or two and accept it as a part of their day's work.



Announcer **HAL MUNNS** is a graduate of the RCA Institute, the Western Electrical College and the University of Utah. Hal is married, has one child, and his hobbies include photography, amateur radio, and flying. He is heard on the KNAK show "Swing Shift."

Chief announcer, **LEE WALKER**, (upper center) may be heard on KNAK programs at almost any time of the day. Lee is married and only recently, a new daddy. He appears on many shows including "Breakfast Varieties," "Spotlight on Rhythm," and "Favorite Hymns for Every Faith."



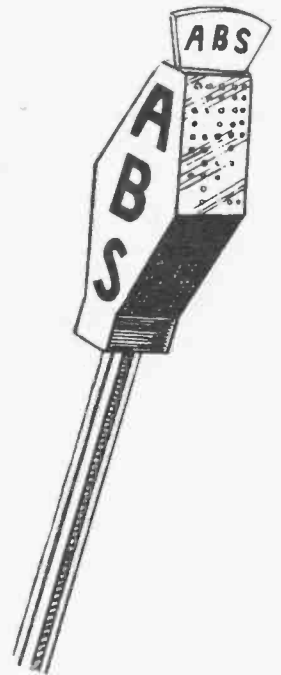
Music *and* Continuity



Writer EDWARD M. "Ned" LYNCH, a recent addition to the KNAK staff, has been associated with radio for more than fifteen years and before that was well known to followers of the stage and screen. Ned appears on KNAK shows "Hour of Chums," "Hollywood Herald," and "Listen to Lynch."



Musical director DON PENMAN is a native of Salt Lake City and attended the University of Utah. Don is married, has one child, and in addition to supervising KNAK music, operates his own music studios.



Recently released from the Armed Forces Radio Service is announcer CLIFF OWEN. While in the service, Cliff emceed USO shows in the states, Alaska, and in Italy. He may be heard on "remote" broadcasts, "Jave Jamboree," "Swap and Sell" and on KNAK news roundups.



ARLOND TAYLOR, another of the mike department of KNAK, appears here with his "man on the street" program. Arlond may be heard on several of the station's programs and does some work in the continuity department. He is married and has two fine little daughters.

Local Programs for

Switchboard Date

"Switchboard Date" under the direction of Arlond Taylor and Cliff Owen may be heard over "Your Music Station" Monday through Friday at 9:15 p.m.



Favorite Hymns of Every Faith

"Favorite Hymns of Every Faith" is a mid-morning program of religious music, poetry, and transcriptions planned for peoples of all faiths. This "invitation to inspiration" is under the direction of KNAK's chief announcer, Lee Walker.

Java Time

This is an hour-long program of "jump and jive" recorded music designed specifically for the teen-agers. From 4:00 to 5:00, Monday through Friday, with KNAK's Dick Farr, Cliff Owen, and Larry Sutton. Here Larry serves it up "hot" to Hale Byron, left, and "Mick" Buchman of the KNAK staff.



Your Enjoyment



Invitation to Dance

Miss Madolyn King, director of Arthur Murray Dancing in Utah, is heard daily on "Invitation to Dance" at 12:15 p.m. over KNAK. Appearing with Miss King are Larry Sutton and Ned Lynch.



Listen to Lynch

"Listen to Lynch," an early morning program, is broadcast 8:00 to 9:00 a.m. Monday through Friday. Ned Lynch's dramatic ability and rare collection of informal poetry make this an outstanding "listeners'" program.



Another popular program originating in the KNAK studios is the fifteen minute show "Whispering Keys" featuring the music of DON PENMAN, the director of music for the station.

The Cream of Recording



GLEN MILLER and His Orchestra.



FRANK SINATRA. Swoon Crooner.



The KING SISTERS.



TOMMY DORSEY and His Orchestra.

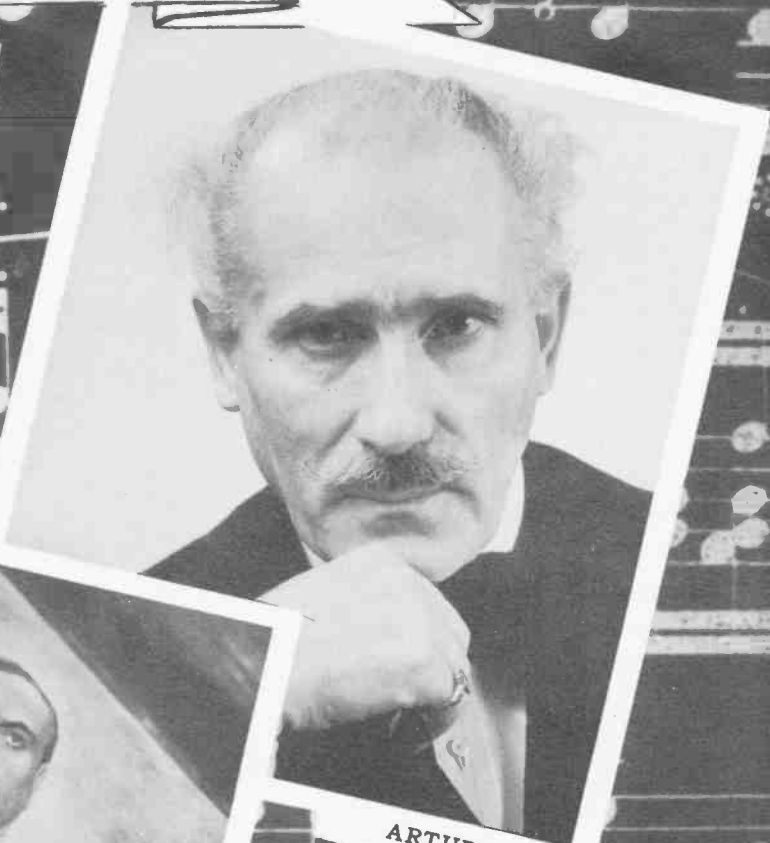


"Swing and Sway with SAMMY KAYE."

avorites... KNAK... ABS



BING CROSBY, an American Institution.



ARTURO TOSCANINI.



JOSE ITURBI.

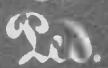
Music Station!



The Music of HARRY JAMES.

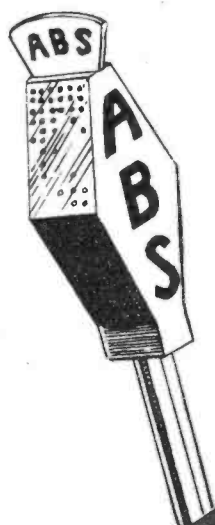


DUKE ELLINGTON and His Orchestra.



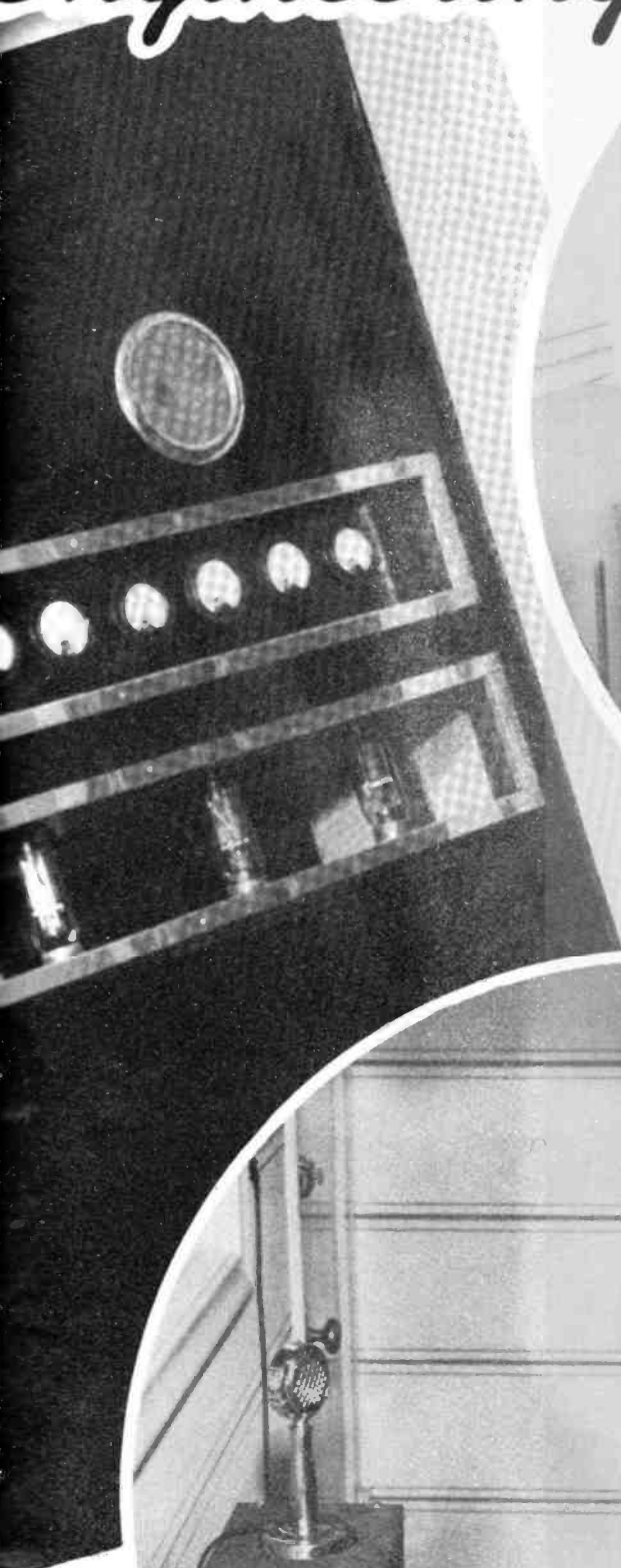
KNAK's Transmitter *and*

Strategically located so that its signal is well heard throughout the Salt Lake valley where it reaches over ninety per cent of the people in the state of Utah, KNAK transmission equipment, under watchful eye of highly trained and skilled engineers, brings local and ABS programs of sparkling interest to listeners of the Inter-Mountain Empire seventeen hours out of every twenty-four.



Engineer Chauncy S. "Pete" Petersen, Richfield, Utah, cuts a transcription on a program to be rebroadcast later in the day's schedule. "Pete," only recently mustered out of the army where he plied his trade in the Special Services division, handles the engineering end of many of KNAK's "remote" broadcasts.

Engineering Staff



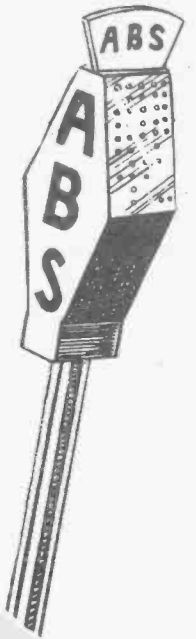
Native of Provo, Utah, Farley Johnson is an old timer in the field of radio engineering. Farley joined the staff of KNAK in October of 1945 after his release from the army where he was attached to the Signal Corps. Included among his hobbies is amateur photography, and he plays the violin in an orchestra.



Richard A. Miner, another of the KNAK engineering staff, "dubbs" some platter music in on a studio show. Dick, an undergraduate of the School of Radio Engineering, University of Utah, was one of the first employees of the station as he helped to build its transmitting equipment.

President

HOWARD D. JOHNSON, genial and industrious President of station KNAK, is a native of Richfield, Utah. Before organizing KNAK, Mr. Johnson built station KOVO in Provo, Utah, and was Radiosonde Technician Instructor with the U. S. Weather Bureau. He has his degree in Electro-Physics, is married, and has three children.



RICHARD F. CONNOR, new general manager of Station KNAK, was formerly Vice-President in charge of operations of the Associated Broadcasting System. During the war he was station coordinator for the Pacific Coast division of the Western Defense Command, and with the OWI in Washington.

General Manager

Production Manager



Production Manager **LARRY SUTTON**, Sunset, Utah, is an old-timer in the radio "game" as he has been closely identified with local radio stations for the past eight years. Larry is a graduate of the Brigham Young University, is married, and has two fine kids. Some of the radio shows he appears on include "Java Jamboree" and "Invitation to Dance."



Station, Sales Promotion

HOWARD BUCHMAN, genial director of station promotion, is a graduate of the University of Utah, Class of '40. Before the advent of KNAK, "Mick," as he is better known, did advertising work and free-lance writing. His hobbies include collecting records, just anything about radio, and it's rumored that he's pretty sharp when comes to playing bridge.

Secretary-Treasurer

Secretary-treasurer of the KNAK organization is FRANCIS W. SCHAELLING. Mr. Schaeilling is a native of Salt Lake City, and in addition to his KNAK duties, is assistant Secretary of the Prudential Federal Savings and Loan Association. Among his hobbies are gardening, hunting and baseball. He is married and has four children.



Commercial Manager

Versatile WARD VINCE HALE-BYRON handles commercial sales department KNAK. Hale, as he is known, is a graduate of the University of Missouri school of journalism. He has at one time or another been connected with every phase of radio broadcasting in many parts of the country. He is a native of Richmond, Virginia. Married. And how!

Program Director

Director of the KNAK programming RUTH CHRISTENSEN is also executive secretary to the president of KNAK. Ruth is often called KNAK's girl-Friday as her versatility often causes her to assume tasks far out of her own department. She is one of the first employees of the station, is married and has two little girls.



Staff



Traffic Manager

KNAK's traffic manager AR-LOND TAYLOR is a graduate of the George Washington University. In addition to his regular duties, he "doubles in brass" in the announcing department when the need arises, and is often heard on "Switchboard Date." In his spare time, if that is possible to have, he indulges in photography, both movies and still.

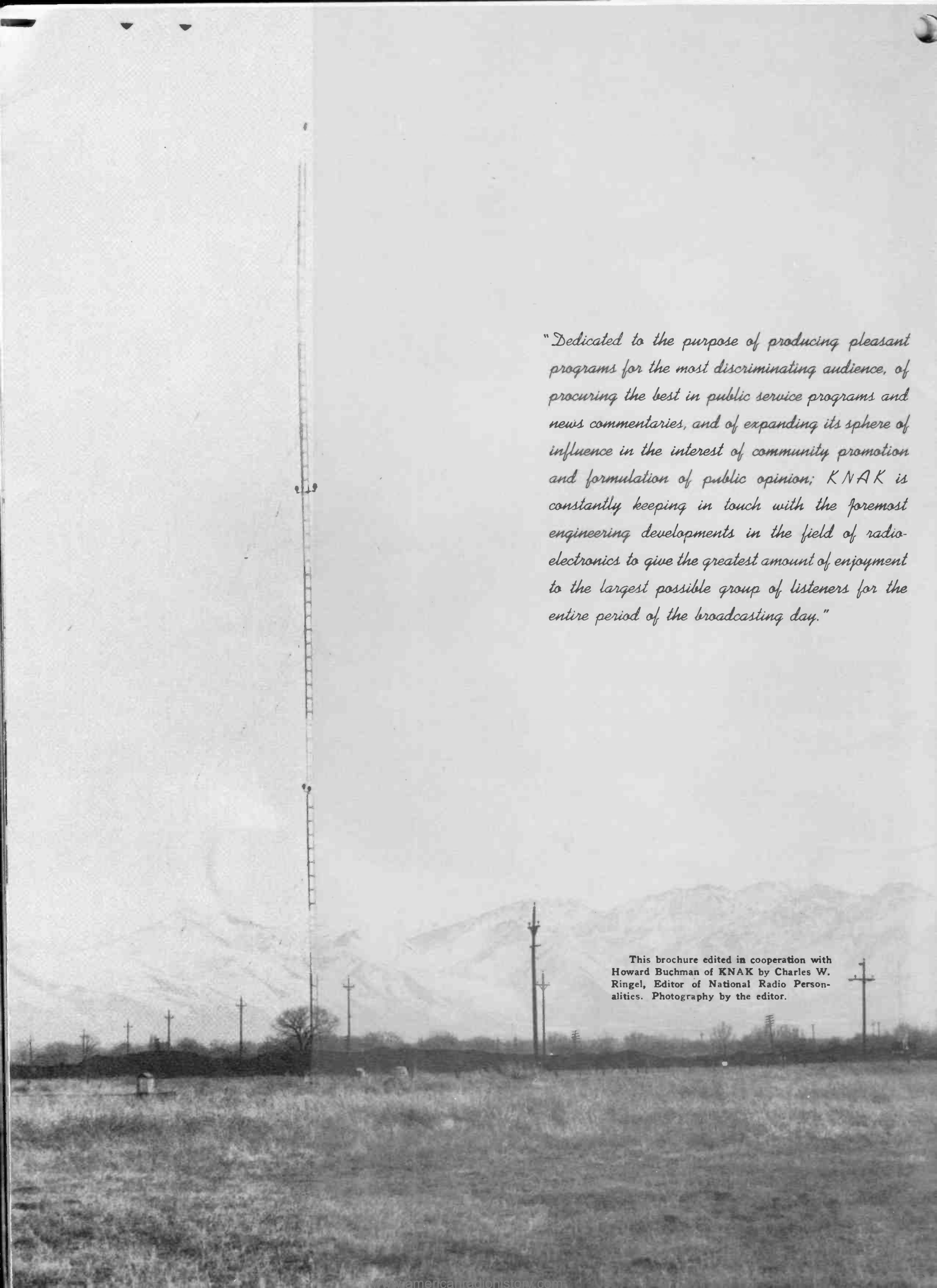
Director of Engineering

Mid-westerner JAMES B. LITTLEJOHN is in charge of all engineering operations concerning KNAK. Jimmy, as he is known to the staff, built the Utah State highway radio system. He is married, has two children, and is an ardent "ham" radio fan operating his own station, W6OKC.



Accountant

Doubling in brass is accountant RICHARD M. FARR as he handles his share of announcing in addition to his duties in the commercial department. Dick is a third year student in the University of Utah and appears on many KNAK programs including "Java Time," "Rhythm Round-up," "Glen Miller Memorial," and "Say It with Music."

A black and white photograph of a radio tower in a field with mountains in the background. The tower is a tall, slender lattice structure with several cross-arms. The foreground is a grassy field, and the background shows a range of mountains under a clear sky. Several utility poles are visible in the distance.

"Dedicated to the purpose of producing pleasant programs for the most discriminating audience, of procuring the best in public service programs and news commentaries, and of expanding its sphere of influence in the interest of community promotion and formulation of public opinion; KNAK is constantly keeping in touch with the foremost engineering developments in the field of radio-electronics to give the greatest amount of enjoyment to the largest possible group of listeners for the entire period of the broadcasting day."

This brochure edited in cooperation with Howard Buchman of KNAK by Charles W. Ringel, Editor of National Radio Personalities. Photography by the editor.

THE *Future* IS BRIGHT FOR THE POST WAR WEST

With the same abundant energy and realistic viewpoint, citizens of the West have set their sights to postwar. Public works—roads, bridges, earthwork, waterworks, irrigation projects, airports and building programs costing almost two-and-a-half billion dollars, will be under way within a year. Private enterprise and government have already allocated the money.

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

... Western goods will flow through war-expanded transportation systems to wider markets at home and abroad. A war-born merchant fleet will carry foods, lumber, oil, wood and wood by-products to the ports of the world for exchange with raw materials for the new industrial empire.

... The West 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.



THE WEST IS GOING FORWARD



Status of FM



Frequency Modulation (FM) broadcasting, practically all radio experts now agree, may some day replace the type now generally heard except for a few strategically-located high-power stations which will be needed to serve remote rural areas not now receiving any service.

By mid-1945 there were 46 commercial FM stations operating in the United States. Seven others were nearing completion. An additional 24 FM stations were operating experimentally and about 444 applications were on file with the FCC for permission to build FM stations. About 600,000 persons already possess FM receivers.

FM WILL BRING LIFE-LIKE REPRODUCTION

FM WILL BRING NO MORE PROGRAM FADING

FM WILL STOP INTERFERENCE BETWEEN STATIONS

FM WILL ELIMINATE STATIC AND OTHER ANNOYANCES

R A D A R

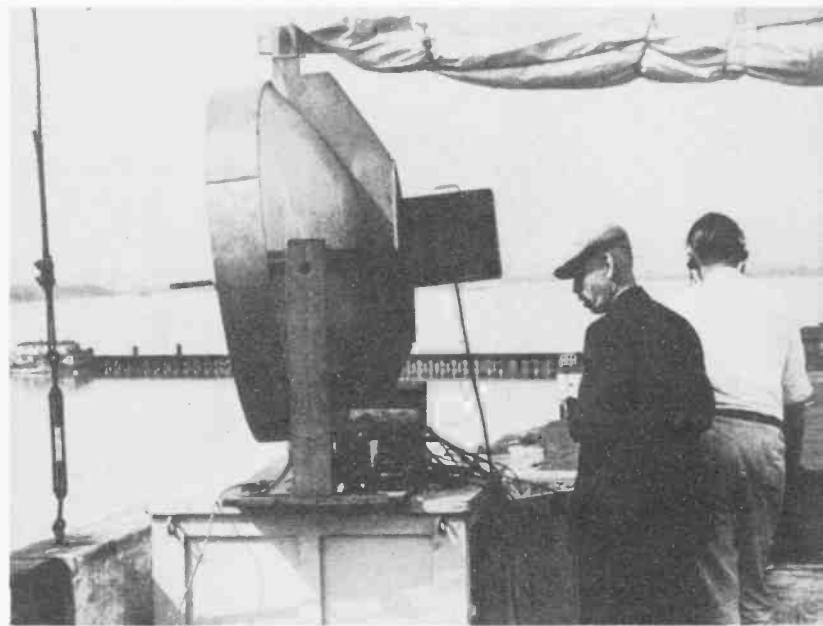
... THE SILENT WEAPON OF
WORLD WAR II... TO BE AD
APTED FOR PEACETIME USE

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.

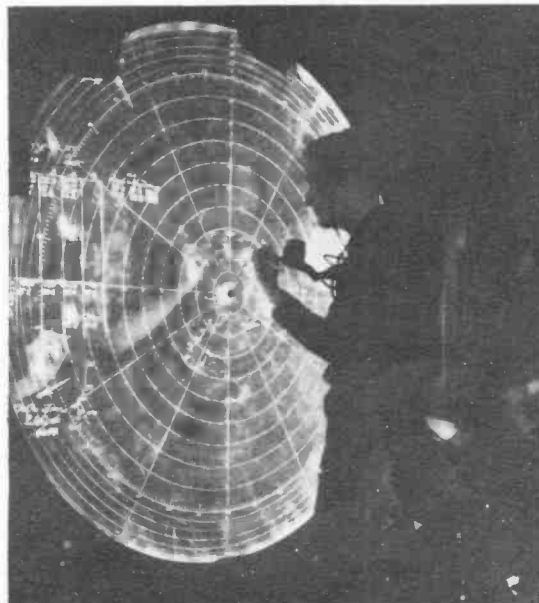
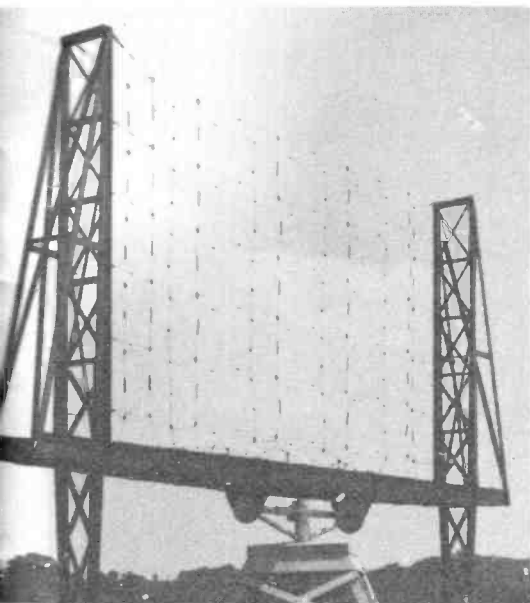
... Scientists have made great strides in converting the principles of radar to peacetime uses—with the extent limited only by the field of imagination.



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.



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.

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.



Symbolizing close tie-line of communications 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 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; payments 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 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 \$500 per school year toward tuition, supplies, etc.; also provides subsistence \$65 monthly for single veterans, \$90 monthly for veteran with dependents. No subsistence allowance for those taking correspondence courses.

READJUSTMENT PAY . . Federal unemployment-compensation program 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 receives \$20 a week. Contact local USES on state unemployment compensation benefits.

LOANS . . Veterans' Administration will guarantee loans for a home 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 40 years, and non-real estate loans in 10 years.

PRIVATE ENTERPRISE . . Preference given veterans in obtaining surplus government property for business purposes but not for resale. Veterans given 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 provided for veteran for any ailment as long as he lives, without cost. Medical service or dental care not requiring hospitalization provided by VA, if the condition was caused or aggravated in line of duty.

INSURANCE . . Veteran may keep his national service life 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, 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 for first child and \$7 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 \$11.50 a month to \$115 a month for 100% disability.



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