



Report: Audiodiscs Excel At Colo. Speech Conference

Wabash College Recording Methods Outlined by Speech Professor

Recently, at the Rocky Mountain Speech Conference in Denver, Colorado, Dr. W. Norwood Brigance, Professor of Speech at Wabash College, Crawfordsville, Indiana, had an occasion to make several recordings on different types of recording discs.

Just how well Audiodiscs fared in competition with other discs is told in a letter received from Dr. Brigance. He writes in part: "I must confess, my opinions were again confirmed. Audio recording discs are the best made."

In his letter, Dr. Brigance further explained his school's particular application of Audiodiscs: "Sometimes we have our students give a radio speech from the broadcasting studio and we make a recording in the classroom while they are talking. At other times we have the student speaking in the classroom with a microphone five or six feet away, so the audience situation is such that the microphone is not the dominant feature. Then from the recording room, one section of the student's speech is recorded. Thus, we catch a section of the speech while the student is actually in action in front of a live audience to enable him to hear himself as he sounds to other people.

"This same procedure is followed in panel discussions, where the panel members are seated around a table in the studio "broadcasting" their panel discussion to the classroom. In the classroom we record either all or part of this discussion so that students taking part in the panel may, at their leisure, hear themselves as others heard them.

"Finally, in group or individual drills, where a student has a speech inadequacy, I will let him read a passage, I will read it, then he will read it again, and, once more, I will read it. This technique permits the student to hear both recordings, his own and the instructors', and develop an ear for noting the difference in speech standards.

"Our methods here at Wabash College," Dr. Brigance continues, "have been thoroughly tested and our success in using them lies largely in efficiency of application."



Major Robert Vincent, chief sound engineer at United Nations meeting, seated at control panel. Inset—A section view of the U. N. O. recording room, Hunter College, Bronx, New York.

"Twenty-Five Hundred Recording Discs Will Be Used Before U. N. Sessions Close"—Vincent

The man with the responsibility of seeing that the proceedings of the United Nations Security Council, now in session at Hunter College in the Bronx—New York, are relayed to the outside world is Major Robert Vincent, chief of U. N.'s recording section.

Major Vincent, temporarily detached from the Army Signal Corps for the purpose of wiring U. N. O. for sound, admits the present installation is more complex than the sound equipment he used at the San Francisco Conference, but far simpler to assemble and employ.

Eleven Miles of Wire

The system, comprising in part an intricate network of eleven miles of wire and 15,000 solder connections, makes possible the simultaneous feeding of programs from the Security Council Chamber to forty-eight radio, recording and other outlets, and the distribution to these points of sound from any one or all of the twenty-four microphones.

Seventeen of these "mikes" are on the Council table and four are at the interpreters' table, with three in reserve. Voices picked up by the microphones

Vet Uses Recordings In Novel Promotional Stunt

Advertiser Tells 'Em He's Back

In Washington, D. C., a few weeks ago, some 500 top business executives received through the mail, at their homes and offices, an innocent looking package bearing the legend, "A record that speaks for itself!" Inside, they found a 6½-inch recording with nothing to identify the sender or to give an inkling of its message save a phone number, and the initials I. T. C. Their curiosity piqued by the oddity of the situation, many of the business men who received the package at their office went to the nearest radio or music store and played the record. Those who received them at home sat down at their own fireside with their families and listened.

(Continued on Page 3)

(Continued on Page 4)



Speaking for the first time on the same radio program are these five top commissioners of The Salvation Army in the U. S. (left to right)—Donald McMillan, Ernest I. Pugmire, William C. Arnold, John J. Allan and William H. Barrett. The broadcast was recorded.

Recording To Play Major Role In Publicizing Salvation Army's Program of Aid To Mankind

Radio recordings by more than 30 of the nation's leading stars of stage, screen, radio, music, and the literary world will play a major part in publicizing the Salvation Army's expanded program of aid to mankind, "Marching Forward to a Better World," the organization recently disclosed to Audio Record. Most of the recordings also are produced on phonograph records as well as for radio.

Big Name Stars Record

The recordings will be in lengths from 15 minutes down to one-minute spots. Among the more unusual uses will be two and three minute recordings designed to be used by radio stations as supplements to local talks by Salvation Army or community leaders. The list of celebrities includes among others: Jack Benny, Edgar Bergen, Bob Burns, Burns and Allen, Eddie Cantor, Jane Cowl, Bing Crosby, Clifton Fadiman, Cary Grant, Fannie Hurst, Kay Kyser, Frances Langford, Raymond Massey, Fibber McGee and Molly, and John Charles Thomas.

The Salvation Army also is planning to have prominent individuals from the business world and the Army and Navy to help tell the story of its program through 1946 and into 1947.

Vet Aid Stressed

Fifteen-minute recordings have been made on the West Coast dramatizing specific objectives of the organization's program, such as aid for veterans and the extension of its work into smaller communities. This work is done by setting up committees or prominent individuals in such communities.

In addition to these recordings for the Marching forward program, The Salvation Army in conjunction with the USO, of which it is a member, has prepared four 15-minute recordings dramatizing its work for service men and women during the war and at the present time.

One of the most unusual features of its extensive work was the transcribing of a discussion on current problems facing America which was given by the five Salvation Army leaders in the United States over the Mutual Network on January 31st.

Recordings Available on Request

These recordings may be obtained upon request from Salvation Army officers in more than 1,000 cities and towns throughout the United States.

The WOR recording studios in New York handled the recording work in the East and the supplying of platters to Salvation Army people throughout the nation who do the placing with radio stations, service clubs, schools and colleges, and community groups in their areas.

Our Apologies

The Glossary of Disc-Recording Terms, originally published in the November issue of the "Proceedings of the I. R. E.", appears in Audio Record with the permission of the Institute of Radio Engineers, a fact which, by oversight, was omitted in our March issue.

Glossary of Disc-Recording Terms

Reprinted by permission of the Institute of Radio Engineers

(Continued from Page 4 of the March issue of Audio Record)

Dynamic pickup: A phonograph pickup in which the electrical output results from the motion of a conductor in a magnetic field.

Eccentric circle: A blank, locked groove (which see) whose center is other than that of the record (generally used in connection with mechanical control of phonographs).

Eccentricity: The eccentricity of the recording spiral with respect to the record center hole.

Fast spiral: A blank, spiral groove having a pitch that is much greater than that of the recorded grooves.

Feedback cutter: A cutter provided with a feedback circuit (separate from the driving circuit) in which a voltage, for inverse feedback to the driving amplifier, is induced by the movement of the cutting stylus.

Filler: The bulk material of a record compound as distinguished from the binder (which see).

Flowed-wax platter: Disk base (usually metal) upon which wax is flowed.

Flutter: Frequency modulation caused by spurious variations in groove velocity.

(Continued on Page 3)



Mr. Disc-Jockey

One of radio's most original and energetic personalities in the Disc-Jockey hemisphere is Robert Q. Lewis, popular platter-chatter announcer of WHN—New York. As his schedule will attest, Lewis is just about the busiest man in radio. From 5:00 to 6:00 P. M., Monday through Saturday and from 9:00 to 10:00 P. M., Monday through Friday, his recorded programs, featuring a wide selection of musical recordings are heard by WHN listeners. And, unlike most other artists, the Sabbath does not mean a day of rest to Lewis for he is back again on the airways with his 2:00 to 4:00 P. M. Sunday Disc-Digest.

Electronic Equipment and Parts Show In Chicago This Month

Large Attendance Forecast

The 1946 Radio Parts and Electronic Equipment Conference and Show will be held May 13 through May 16 at the Stevens Hotel in Chicago.

The first day of the Conference will feature committee and organization meetings and a special keynote dinner in the Grand Ballroom. There are no meetings scheduled for the remaining three show days and the Exhibition Hall will be open from 10 A. M. to 6 P. M. each day.

An unusually large attendance is certain as this is the first post-war get-together of manufacturers and distributors. No displays were permitted during the war years.

Audio Devices will display its products in Booth Ninety-six.

Vet Uses Recordings

(Continued from Page 1)

What they heard was the voice of Russ Hodges, nationally known sportscaster, announcing what was probably the first spoken commercial ever written by an advertising agency about itself.

Veteran

Only two months out of the Army, I. T. C., who only a year ago had been fighting with the 87th Infantry Division in the Belgian Bulge, laid his plans perfectly, told them only to the few actually involved in production of the recording. When the bombshell struck, virtually every business man in Washington knew that the I. T. Cohen Advertising Agency, after an army-enforced absence from the field for 3½ years, was in business.

Some People Will Forget

Thus did I. T. Cohen, almost forgotten by the business firm he had served for some ten years before the war, answer for himself the question of many returning servicemen: How can I reestablish myself in business after my competitors have virtually monopolized the scene through the war years?

And so today, every business firm in Washington that uses radio or newspaper advertising knows the story of I. T. C. It is a story that Washington advertising circles will remember for a long time to come.

Attention Readers

Audio Record is published monthly in the interest of better disc recording. If YOUR name is not on the Audio Record mailing list, drop a penny post card to—The Editor, Audio Record, 444 Madison Avenue, New York 22, N. Y.



John Bubbers, engineering supervisor of Radio Station WOV—New York, examines yellow label Audiodisc in control room of Replica Transcriptions. Inset—Bubbers and Ted Rossi (seated) owner of Replica hear playback of recent program in the studio they themselves built.

Small—Hand Made Recording Studio a Success; Many Shortages—Other Headaches Overcome

Building a recording studio in these days of material shortages is a mean assignment. At least, John Bubbers, engineering supervisor of Radio Station WOV—New York and designer of the new Replica Transcription Studios, 29 West 57th St., New York City, found it so.

Last June, Mr. Bubbers and Ted Rossi, young energetic owner of Replica, decided to wait no longer and immediately set out to find equipment and office space for their proposed studio. This was only the beginning of a venture that promptly provided the two recording enthusiasts with many headaches and sleepless nights.

Equipment Hard To Find

First, they surveyed the recording field, in the hope of finding usable equipment. After a lengthy search, two used recording tables were found. They were quickly reconditioned and readied for operation. Their cutting heads had to be entirely rebuilt. New or used commercial amplifiers were not to be had at any price, so, without alternative, Messrs. Bubbers and Rossi proceeded to build their own. All other studio essentials were likewise procured from used stock sources or made by hand from spare parts. When new commercial units are again available, they will, of course, replace these home built equivalents.

There Was Always Something

Centrally located office space was finally found in October, but the two enterprising recordists' troubles were just (Continued on Page 4)

Glossary of Disc-Recording Terms

(Continued from Page 2)

Frequency record: A record upon which have been recorded various frequencies throughout the desired frequency spectrum.

Groove: The track cut in the record by the stylus.

Groove contour: The shape of the groove in a radial plane perpendicular to the surface of the record.

Groove speed: See groove velocity.

Groove velocity: The linear velocity of the groove with respect to the stylus.

Grouping: Nonuniform spacing between grooves.

Guard circle: An inner concentric groove inscribed on a record to prevent re-producer from being damaged by being thrown to the center of the record.

Hill-and-dale recording: See vertical recording.

Hot plate: A heated table used for (a) softening the biscuits of record material prior to placing them in the press or (b) making flowed waxes.

Hill-and-dale recording: See vertical recording.

(Glossary of Disc-Recording Terms will be continued in the June issue of Audio Record.)

Roosevelt Record Album Released

"Rendezvous with Destiny," a two-volume record album of significant excerpts from the speeches of the late Franklin Delano Roosevelt was recently released by the National Broadcasting Company.

The album, compiled by Cesar Searchinger, noted author, historian, lecturer and news analyst, provides a permanent word picture of the years preceding and during the Second World War, highlighted by memorable utterances of America's Chief Executive, broadcast by NBC and recorded at the time.

Highlighting the significant events leading up to and during World War II, "Rendezvous with Destiny" is a complete two hour production. It constitutes a dramatic re-cap of current history and is the first in a series of NBC Documentary Recordings, designed especially for educational use.

Hand Made Studio A Success (Continued from Page 3)

beginning. Footsteps, singing and various other noises from the floor above were readily transmitted through the ceiling. The only possible solution to this problem was to hang a second ceiling on the walls below the original ceiling and the space between the two filled with insulation material. The walls were then sound treated with one of the new war-found materials. The doors were made airtight and a modern control room was constructed.

In December, the installation was completed except for the decorating. This, of course, proved to be a spiritual uplifting task. Colorful drapes and streamlined furniture soon provided the necessary encouragement for the pair to finish their commendable job.

Justly proud of their efforts, Mr. Bubbers and Rossi opened Replica Transcriptions around the first of the year and judging from the few months of operation, the project is a financial success and plans are now being made for expansion.

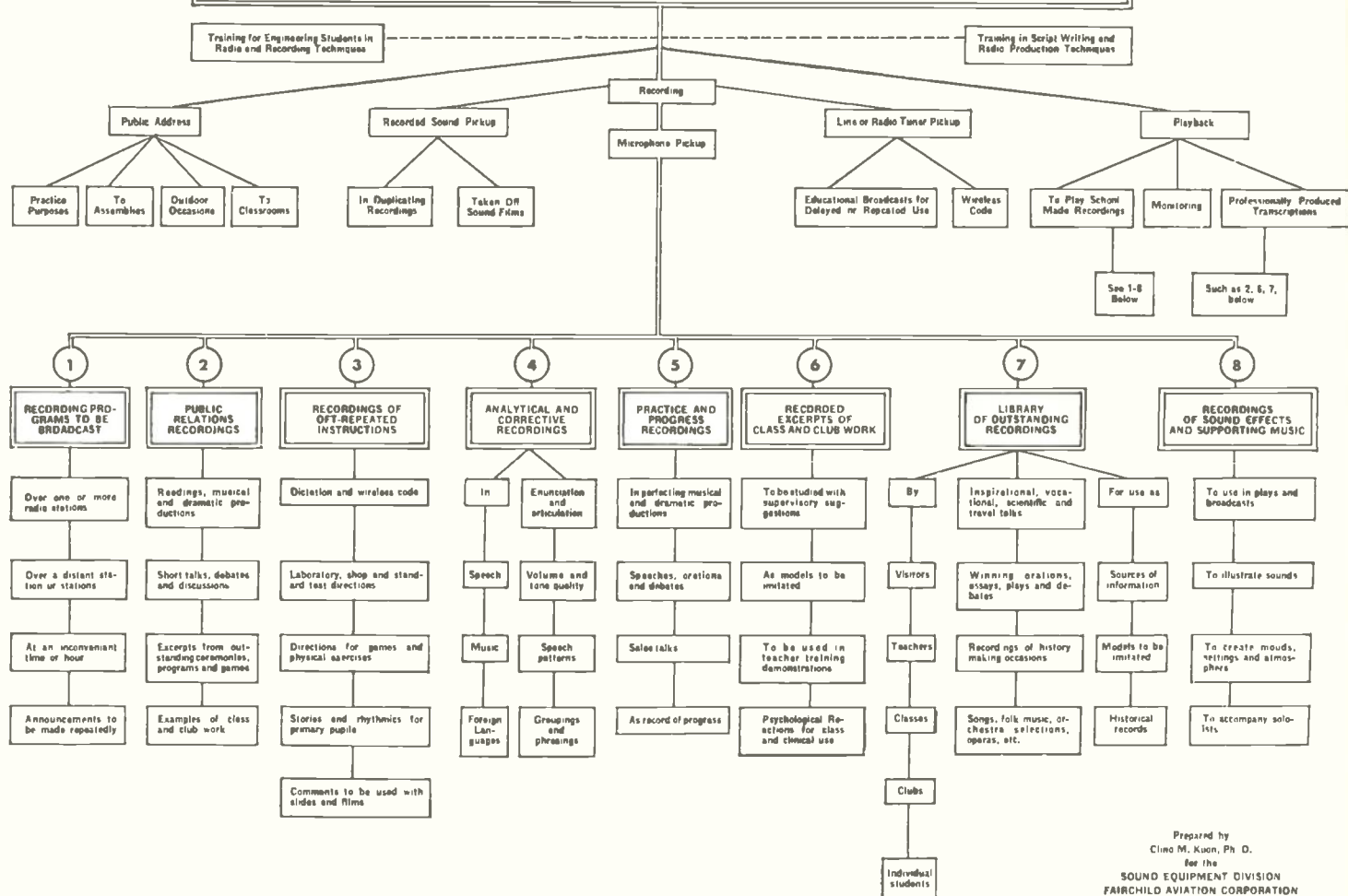
Recording At U. N. O. (Continued from Page 1)

enter a control booth, where an engineer at a mixer panel monitors them. The sound is then piped to the public-address system; to ten control rooms used by American and Canadian networks and radio stations; to another control room, operated jointly by several international agencies which are beaming short-wave broadcasts of the meetings overseas; to television and movie booths; to interpreters' earphones; and, by six separate channels, to the recording room. Here, the proceedings of the Council are recorded on high-fidelity Audiodiscs and other recording blanks for reference and documentary purposes. More than 2,500 such discs are expected to be used during the current session.

More Time This Time

Happy over the fact that he was given two whole weeks to get things in shape for the peace meet, Major Vincent recalled that at San Francisco the entire installation had to be set up and ready for action in two days.

EDUCATIONAL APPLICATIONS OF THE DISC SOUND RECORDER



Prepared by
Clino M. Kuen, Ph. D.
for the
SOUND EQUIPMENT DIVISION
FAIRCHILD AVIATION CORPORATION
88-06 Van Wyck Boulevard
Jamaica, New York

The educational possibilities of recording has attracted the attention of educational leaders everywhere, and today, its presence in the Speech, Language and Music Departments of colleges and universities is practically a necessity. Not restricted to the higher institutions of learning, the recording machine and the recording disc are coming into common use in secondary and elementary schools. Some of their numerous and diversified applications are suggested in the chart above which was prepared by the Sound Equipment Division of the Fairchild Aviation Corporation, Jamaica, New York. It is with their permission that we re-print it here.