

SIGHT & SOUND NEWS

WOKO TAKES FINCH FACSIMILE EQUIPMENT

NEW YORK, N. Y.: W. G. H. Finch, president of the Finch Telecommunications Laboratories, Inc., N. Y. City has announced that WOKO in Albany, N. Y. has concluded an agreement for use of Finch Facsimile apparatus.

WOKO will go on the air just as soon as it receives its FCC facsimile grant.

Other broadcasters now using Finch facsimile equipment are WLW, WOR, WGN, WSM, WHO, WWJ, KSTP, WHK-WCLE, WSAI, WGH, and W2XBF.

CARRIER PIGEONS SPEED NEWS AND PICTURES FOR WLW-W8XUJ FACSIMILE RADIO NEWS

CINCINNATI, O.: The oldest and newest methods of communication were combined recently when the Crosley Corporation's facsimile station W8XUJ used carrier pigeons to speed pictures of the Cincinnati Reds-Pittsburgh Pirates baseball game to its studio for immediate transmission.

Black Comet, world-record racing bird on whose back was strapped the official harness of the United States Signal Corps, flew the negatives from the baseball park to the Crosley plant, a distance of approximately four and a half miles, in three minutes and the photos were developed and on the air twenty minutes after being taken. Six birds were used in carrying the thirty-two pictures snapped on the playing field. The standard Signal Corps harness for pigeons was secured through cooperation of the NEA.

According to Wilfred Guenther, Crosley coordinator of facsimile and television, pigeons may become regular members of the WLW-W8XUJ staff to increase the speed of picture service.



The only working Baird system in NY at present. The produced picture is 12'x15'.

TELEVISION PICK-UP MADE OUTSIDE LINE OF SIGHT

SCHENECTADY, N. Y.: In a little shack atop Pinnacle Point, a 1,600-foot elevation in the Helderberg hills about 12 miles from this city, a group of 20 farmers from New Scotland and Altamont saw the King and Queen as they inspected the New York World's Fair better than 99 per cent of the million or more people who were actually present at the fair. Literally speaking they had ringside seats, for the images of both Their Majesties were flashed instantly and clearly by television over the 130-mile airline space between New York and the television receiving equipment installed by General Electric engineers on top of this hill.

Contrary to the theory that television can be picked up but 40 or 50 miles from the point of origin and at no spot beyond the horizon as seen from the transmitter antenna, General Electric engineers received the complete two and one-quarter hour program of the King and Queen's visit to the fair as telecast from atop the Empire State building. Even though the telecast originated at about 1,300 feet elevation in New York and was received atop a 1,600-foot hill, the "line of sight" was still 8,000 feet above the receiving antenna, according to C. A. Priest, General Electric's chief radio engineer.

"We feel there was nothing accidental about this reception even though it seems to be contrary to the rules of television," Mr. Priest explained. "In two preliminary tests, we picked up the complete program as telecast by NBC in New York, and both picture and voice were received very clearly. I really don't believe we will have any trouble in receiving television programs sent from New York, even when the airline distance is 130 miles and we are a mile and a half below the line of sight."

Among the small group present for the first telecast of the royal couple



Note the tropical helmet worn by the telecameraman to prevent heat prostration.

was John D. Ogsbury, veteran editor and publisher of the Altamont Enterprise, a weekly newspaper. Despite his years, he tramped up the hill for the demonstration.

"It was worth the effort. It was history being made in my neighborhood. I never thought I would ever see anything so wonderful in my day," Mr. Ogsbury said. "It was better than if I had been at the fair. When the King and Queen came out from the building in which they had lunched, they walked right up to within a few feet of the television camera and I got a mighty fine look at both of them. It was one of the greatest things I have seen in all my life."

The receiver, of standard G.E. type, was set up in a small shack hurriedly erected atop the hill. Power to operate it was supplied by a small gas-driven generator hauled to the spot. A special directive antenna was erected, diamond in shape, on four poles 40 feet above the ground. This covered in all a space of about 300 by 600 feet. The spot is located about two miles from the new high-power television station that General Electric is building, which is expected to be in operation early in November.

DU MONT FILES APPLICATIONS FOR ADDITIONAL TELEVISION LICENSES

PASSAIC, N. J.: Stepping up its television activities in transmitting quite as well as the production of television sets and tubes, the Allen B. DuMont Labs., Inc., of Passaic, N. J., have just filed applications for additional television transmitting licenses.

One application covers a portable mobile transmitter to be carried on a motor truck, for picking up outside events and flashing them via ultra short wave back to the main transmitter for retransmission. Another application covers a 1 KW transmitter to

(More S & S News on page 56)



An exhibition of wired television, where a viewer is in the same room with xmtr.

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S & S News
(Continued from page 33)

be installed at the New York quarters of the DuMont organization, on the top floor of 515 Madison Avenue. This proposed television station is for the purpose of studying program problems and possibilities under actual working conditions. A third application covers a similar television station to be installed in the National Press Building, Washington, D. C. —30—

Solving the Intermittent
(Continued from page 26)

Chances are, after I come to the house tonight with the set finished and a receipted bill in my hand, her husband will accept the work. It's a chance we have to take. If all radio work was certain, it wouldn't be half as interesting!

Jensen, Smith, Wentworth, Randolph. What floor was that—three, wasn't it? Ring the bell.

OLD-TIMER: *Good evening, Mr. Randolph. Here is your set. I spoke to your wife on the phone earlier today, but she couldn't understand the work we were doing—naturally, a woman can't be expected to follow electrical work—any more than a man can pick out the living-room drapes! I have completed the work in order to show you what was necessary in order to bring the set back to normal. This part was defective at times, but was normal when the set was playing at the proper volume. We located it by two of the tubes were necessary, and—although the others have been used for quite some time—we passed them as okay in order to keep the price down. The labor charge is below the average for work of this type; sometimes it runs into twice or three times this amount. But an "intermittent" set never stops giving trouble until it has had the correct treatment. We were fortunate—*

Mr. R.: *How do we know it won't fade again?*

O. T.: *Only my NEW customers ask that, Mr. Randolph!*

Mr. R.: *I didn't mean to offend you. Granted that you are honest, and that you know your business—what assurance have we, if we pay to eliminate fading—or an "intermittent," as you call it—that the trouble won't come back?*

O. T.: *I see your point. Tell you what I'll do: You need a set of tubes; if you replace them all tonight, I'll leave the receiver for a week's trial, and collect for the repair later. Frankly, I am making this arrangement to get you as a new customer.*

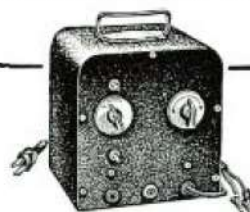
Mr. R.: *Sounds fair enough to me. What do you say, Helen?*

Mrs. R.: *I guess we DO need tubes—we've had the set so long. That is, providing YOU pay for them.*

Mr. R.: *I'll take them. Drop in next Thursday for the balance—if the set doesn't fade before then!*

O. T.: *It won't. I wouldn't risk my reputation on it if I wasn't sure.*

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