ACHIEVEMENTS IN COMMUNICATION FIELD OUTSTANDING ACCOMPLISHMENTS OF AGE

Greater Advances Made in Transmission of Speech in Past Two Decades Than in Previous 1900 Years. Seeing by Telephone Latest Triumph of Science

(Top left) Engineers and scientists at Washington listening to an instructive talk on television. (Right) The nerve center of the photoelectric eyes of the television apparatus at Washington showing the engineers at their stations during the demonstration. (Bottom left) Close-up of television transmitting apparatus. (Right) Transmitting equipment in Bell Telephone Laboratories, New York, being operated by technical staff.

In this age of miracles there seems to be no limit to what science can accomplish. The question is constantly arising, "what will be the next startling scientific event."

Of late, it has been very noticeable that the communication branch of science has been outstanding in its achievements. In fact, greater advances have been brought about in the transmission of speech in the last 27 years than in the previous 1900 years. Now every indication points to the fact that universal world telephone service is a possibility at a no great distant date.

Late achievements in communication have been transatlantic radio telephone conversations followed closely by the transmission of images of persons over telephone lines while conversations were actually in progress.

A few years ago when pictures were first transmitted from one point to another over long distance lines, people predicted that science had reached its limits in this direction, but now a person talking over a telephone in Washington has actually been seen, as well as heard in New York.

For years the comic artists have pictured people as describing articles over the telephone. One of the time-honored jokes of the comic sections of newspapers has been that of the absent-minded man who walked off with his host's umbrella. On being called by telephone, he holds up the umbrella and asks, "Is this the one?"

Now that television has become an accomplished fact this standard joke will loose its popularity, for it is now possible, not only to describe, but see lost articles by telephone.

Television, meaning far vision, has recently been demonstrated to audiences in Washington and New York. At the initial performance Herbert Hoover, Secretary of Commerce at Washington, talked to, and was seen as well as heard by Walter S. Gifford, president of the American Telephone and Telegraph Company, and an audience of engineers, scientists and newspaper men in New York City.

At the opening of the demonstration President Gifford in addressing those present said in part, "Today, we are witnessing another milestone in the conquest of nature by science. We shall see the fruition of years of study on the problem of seeing at a distance as though face to face. The principles underlying television, which are related to the principles involved in electrical transmission of speech, have been known for a long time, but today we shall demonstrate its successful achievement. The elaborateness of the equipment required by the very nature of the undertaking precludes any present possibility of television being available in homes and offices generally. What its practical use may be I shall leave to your imagination. I am confident, however, that in many ways and in due time it will be found to add substantially to human comfort and happiness.

"It is our constant aim to furnish this country with the most complete telephone service possible. In connection with that aim, we endeavor to develop all forms of communication that might be supplemental to the telephone. With that in view, we shall continue our work on television which, although not directly a part of telephone communication, is closely allied to it."

The general principles underlying television which makes it possible for a person talking by telephone in one place to have his image as well as voice transmitted to a distant station has been known for a long time. "But it is one thing to appreciate general principles and frequently quite another to realize them practically," says Dr. Frank B. Jewett, vice-president of the American Telephone and Telegraph Company and president of the Bell Telephone Laboratories. "In the case of television many of the elements long recognized as essentials to success were not possible of attainment until general science had been farther advanced. But even when recently fundamental research work developed new knowledge, new materials and new methods, the problem of successful television demanded a vast amount of co-ordinated research and development work to crystallize scientific possibilities into practical realities.

"The research and development functions of the Bell System, of which the laboratories are a most important part, are organized for the solution of just such problems. But the research and development work for the perfection of television will go on for years, although enough has already been accomplished to indicate that it is likely to have a real place in the world's work of distant communication."

PARROT TELLS FAMILY WHEN TELEPHONE RINGS

A parrot that heeds the telephone is reported from Long Island.

Milora is the name of the pet who notifies her mistress when the telephone bell rings. She belongs to Mrs. Elizabeth F. Staines, of Long Island City, and if Mrs. Staines or no other member of the family is nearby when the telephone rings, the parrot cries "Telephone, telephone," until someone responds. While the telephone conversation is in progress the bird remains quiet, but when it has ceased, Mrs. Staines always says "Thank you, Milora," to which the parrot invariably replies "Oh, that's all right."

TRANSATLANTIC COTTON

The president of the Georgia Cotton Company, J. S. Billingslea, of Albany, Georgia, recently sold $60,000 worth of cotton in three minutes by transatlantic radio telephone in a conversation between Albany and Liverpool, a distance of 4,500 miles.

45,000 BELLS IN U. S. TINKLING EACH MINUTE

The number of telephone conversations varies considerably from hour to hour throughout the day. The greatest number occur in the mornings and afternoons, and they fall away to almost nothing during the small hours of the early morning. Yet if all the calls in the United States during 1926 had been evenly distributed throughout the day and night there would have been more than 45,000 telephone conversations begun every sixty seconds.

On the same basis an average of $1,400 would have been disbursed every minute for the operating expenses involved in caring for the 45,000 telephone calls, and of the above amount the telephone industry would have been busy paying $150 a minute into the public treasury in the form of taxes.

Unfortunately the business world does not carry on smoothly and evenly, all day and night. The telephone industry must maintain a huge system to care for the peak loads that come around ten in the morning and three in the afternoon.

Far From This One

The mink is one of the most widely known fur bearers of the North American weasel family, says Nature Magazine. It is long-bodied and heavily proportioned, while its short legs and arched body cause it to walk slowly and clumsily. It swims with ease and thus obtains fish, frogs, crayfish or clams as a part of its food, supplementing the diet of small mammals, moles, mice and rats. Length about fifteen to twenty inches.

Big Ration of Bread

New York city requires 15,000 bakers to keep it supplied with its huge daily bread ration.

Bronze Finish on Brass

The bureau of standards says one of the simplest ways of producing a bronze effect upon brass is to treat it with a weak solution of sodium or potassium sulphide. The darkness of the coating will depend upon the strength of the solution and the length of time it is applied. If desired, it can be brushed off in spots, yielding a bronze finish.

Reflected Vanity

Some girls not only imagine vain things but see them reflected when they look in the mirror.--Monroe (Ala.) Journal.

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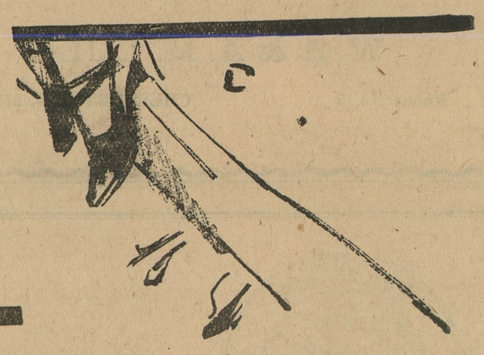

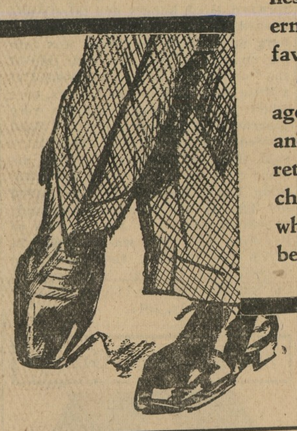

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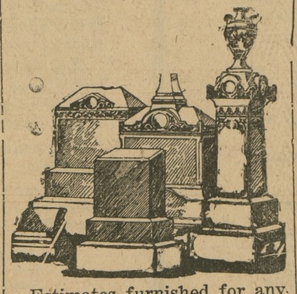

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NOTICE TO CREDITORS

Notice is hereby given that the undersigned has obtained from the Orphans' Court for Kent County letters of Administration on the personal estate of

HARRY W. MOORE,

late of said county, deceased.

All persons having claims against said deceased's estate are hereby warned to exhibit the same, with the proper vouchers thereof, to the undersigned on or before the 14th day of November, 1927, otherwise they may by law be excluded from all benefit of said deceased's estate.

All persons indebted to this estate must settle at once.

Given under my hand this 10th day of May, 1927.

RELLA MOORE,
m14-4t Administratrix.

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CHAS. N. SATTERFIELD, Secretary-Treasurer.

NOTICE

All persons having bills against Kent county must present them properly vouched for before June 5th or they will be paid by certificate without interest, due January 31, 1929. The law is positive that no interest may be paid. We will treat all alike. It is your duty to see that your bill is in this office by June 5th. By order of the Commissioners.

m7-4t JOHN MEDDERS, Clerk.

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ORDER NISI

In the matter of the estate of Milton Melvin, deceased.

In the Orphans' Court for Kent County, Maryland.

Ordered by the Orphans' Court for Kent County, Maryland, this 10th day of May, 1927, that the sale of property mentioned in these proceedings, made and reported by William M. Culp, surviving executor under the last Will and Testament of Milton Melvin, admitted to probate May 20, 1919, and recorded in Liber "Wills" R. R. H. No. 1, folio 16, etc., and by virtue of authority from this Court be ratified and confirmed unless cause to the contrary thereof on or before the 12th day of July, 1927; provided a copy of this order be inserted in some newspaper published and printed in Kent County, Maryland, once in each of four successive weeks before the 10th day of June next.

The report states the amount of sale to be $5,000.00.

EDWARD A. SCOTT,
J. HENRY THOMPSON,
JAMES H. GROVES,
Judges of the Orphans' Court.
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