

## NEWS

## BROADCASTING

From Wikipedia the free encyclopedia

**BROADCASTING.**

**Broadcasting** is the [distribution](#) of [audio](#) or [video](#) content to a dispersed [audience](#) via any [electronic mass communications medium](#), but typically one using the [electromagnetic spectrum](#) ([radio waves](#)), in a [one-to-many](#) model.<sup>[1]</sup>

<sup>[2]</sup> Broadcasting began with [AM radio](#), which came into popular use around 1920 with the spread of [vacuum tube radio transmitters](#) and [receivers](#). Before this, all forms of electronic communication (early [radio](#), [telephone](#), and [telegraph](#)) were [one-to-one](#), with the message intended for a single recipient. The term *broadcasting* evolved from its use as the agricultural method of sowing seeds in a field by casting them broadly about.<sup>[3]</sup> It was later adopted for describing the widespread distribution of information by printed materials<sup>[4]</sup> or by telegraph.

<sup>[5]</sup> Examples applying it to "one-to-many" radio transmissions of an individual station to multiple listeners appeared as early as 1898.<sup>[6]</sup>

[Over the air broadcasting](#) is usually associated with [radio](#) and [television](#), though in recent years, both radio and television transmissions have begun to be distributed by cable ([cable television](#)). The receiving parties may include the general public or a relatively small subset; the point is that anyone with the appropriate receiving technology and equipment (e.g., a radio or television set) can receive the signal. The field of broadcasting includes both government-managed services such as [public radio](#), [community radio](#) and [public television](#), and private [commercial radio](#) and [commercial television](#). The U.S. Code of Federal Regulations, title 47, part 97

defines "broadcasting" as "transmissions intended for reception by the general public, either direct or relayed".<sup>[7]</sup> Private or two-way [telecommunications](#) transmissions do not qualify under this definition. For example, [amateur](#) ("ham") and [citizens band](#) (CB) radio operators are not allowed to broadcast. As defined, "transmitting" and "broadcasting" are not the same. Transmission of radio and television programs from a radio or television station to home receivers by [radio waves](#) is referred to as "over the air" (OTA) or [terrestrial](#) broadcasting and in most countries requires a [broadcasting license](#). Transmissions using a wire or cable, like [cable television](#) (which also retransmits OTA stations with their [consent](#)), are also considered broadcasts but do not necessarily require a license (though in some countries, a license is required). In the 2000s, transmissions of television and radio programs via [streaming](#) digital technology have increasingly been referred to as broadcasting as well.

**HISTORY**

The earliest broadcasting consisted of sending telegraph signals over the airwaves, using [Morse code](#), a system developed in the 1830s by Samuel F.B. Morse, physicist Joseph Henry and Alfred Vail. They developed an [electrical telegraph](#) system which sent pulses of [electric current](#) along wires which controlled an [electromagnet](#) that was located at the receiving end of the telegraph system. A code was needed to transmit natural language using only these pulses, and the silence between them.

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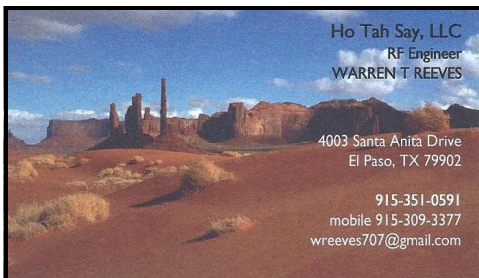
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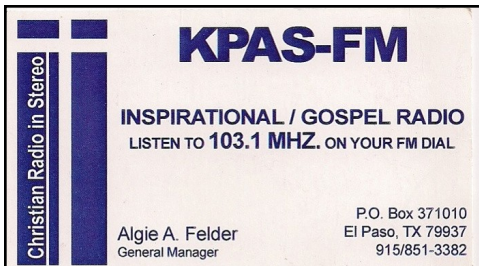
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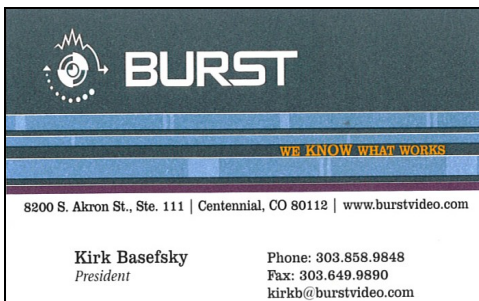


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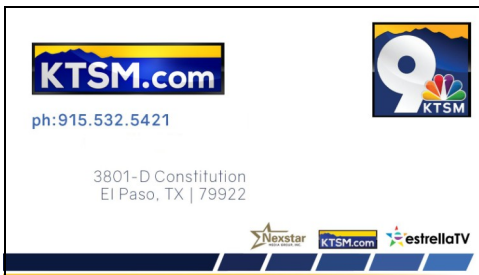
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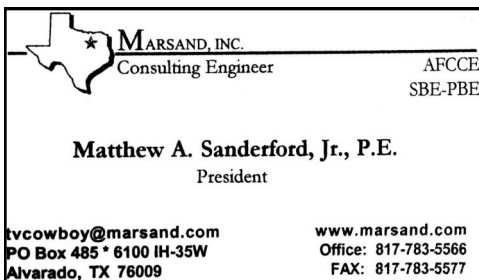
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Morse therefore developed the forerunner to modern [International Morse code](#). This was particularly important for ship-to-ship and ship-to-shore communication, but it became increasingly important for business and general news reporting, and as an arena for personal communication by radio amateurs (Douglas, op. cit.). Audio broadcasting began experimentally in the first decade of the 20th century. By the early 1920s radio broadcasting became a household medium, at first on the [AM band](#) and later on [FM](#). Television broadcasting started experimentally in the 1920s and became widespread after World War II, using [VHF](#) and [UHF](#) spectrum. [Satellite broadcasting](#) was initiated in the 1960s and moved into general industry usage in the 1970s, with DBS (Direct Broadcast Satellites) emerging in the 1980s.

Originally all broadcasting was composed of [analog signals](#) using [analog transmission](#) techniques but in the 2000s, broadcasters have [switched to digital signals](#) using [digital transmission](#). In general usage, broadcasting most frequently refers to the transmission of information and entertainment programming from various sources to the general public.

[Analog audio vs. HD Radio.](#)  
[Analog television vs. Digital television.](#)  
[Wireless.](#)

The world's technological capacity to receive information through one-way broadcast networks more than quadrupled during the two decades from 1986 to 2007, from 432 [exabytes](#) of (optimally compressed) information, to 1.9 [zettabytes](#).<sup>[8]</sup> This is the information equivalent of 55 newspapers per person per day in 1986, and 175 newspapers per person per day by 2007.<sup>[9]</sup>

[Stay tuned for the conclusion of this article in the next month newsletter.](#)

## SBE CHAPTER 38 OFFICERS

### CHAIRMAN

Antonio Castro  
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### CERTIFICATION COMMITTEE:

David Halperin.

### MEMBERSHIP COMMITTEE:

Antonio Castro  
Warren Reeves

### FREQUENCY COORDINATION COMMITTEE:

Warren Reeves  
Owen Smith

### SCHOLARSHIP COMMITTEE:

Rick Vilardell

### WEB SITE COMMITTEE:

Norbert Miles

### SUSTAINING MEMBERSHIP:

Antonio Castro

### PROGRAM CHAIRMAN:

Warren Reeves

### NEWSLETTER:

Antonio Castro

### EAS CHAIRMAN:

David Halpering

### EXECUTIVE COMMITTEE:

Antonio Castro  
Bruno Cruz  
Walter Hanthorn



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EL PASO, TX      SBE CHAPTER 38      MEETING MINUTE

DATE 12/10/2019      LOCATION: **KFOX/KDBC STUDIOS**

**MEETING CALLED TO ORDER: 12:55 PM, BY ANTONIO CASTRO.**  
**THERE WERE 18 (EIGHTEEN) ATTENDANTS.**

**REPORT OF THE SECRETARY:** MINUTES IN THE DECEMBER NEWS-LETTER. ACCEPTED BY MARIO JIMENEZ, SECONDED BY NORBERT MILES.

**REPORT OF THE TREASURER:** \$ 2,925.53 IN THE BANK, ACCEPTED BY DAVID GRICE, SECONDED BY BRUNO CRUZ.

**REPORT OF THE CERTIFICATION COMMITTEE:** NO REPORT

**REPORT OF THE MEMBERSHIP COMMITTEE:** WELCOMED BRAD BISHOP FROM KFOXTV AS A REGULAR MEMBER..

**REPORT OF THE FREQUENCY COORDINATOR COMMITTEE:** NO REPORT

**REPORT OF THE SCHOLARSHIP COMMITTEE:** TO REVIEW FOR 2020.

**REPORT OF THE WEBSITE COMMITTEE:** 2846 LAST MONTH, NOW 2883= 37 HITS.

**REPORT OF THE EAS CHAIRMAN:** NO REPORT.

**REPORT OF THE PROGRAM COMMITTEE.:** HARMONICS TO PRESENT IN JANUARY 14, 2020. INVITED TEE THOMAS FROM ANYWHERE COMMUNICATIONS TO HAVE A PRESENTATION FOR FEBRUARY 2020

**UNFINISHED BUSINESS:** NONE.

**NEW BUSINESS OR ANY ITEMS FOR THE CHAPTER INTEREST:** RESERVED FOR MAY 29, 2020 THE ENNES WORKSHOP

**OTHER:** NONE.

**NEXT MEETING DATE AND LOCATION:** JANUARY 14, 2020 AT THE KFOX STUDIOS AT NOON

**MEETING ADJOURNED:** AT 13:50 PM.

**The editor wishes everyone a very prosperous, healthy and successful year 2020.**

**The empire will be with you !!!!**



# JANUARY PROGRAM

DECEMBER, WE HAD OUR REGULAR MEETING AND PRESENTATION, THIS TIME WAS AT THE KFOX/KDBC GREAT STUDIOS.

THE PRESENTER AND SPONSOR WAS **BOB ORBAN** BRINGING A TELE-CONFERENCE INTRODUCING A NEW PRODUCT. FOOD AND DRINKS WERE BROUGHT BY "CARINO'S ITALIAN" CATTERING.

FOR JANUARY 2020, WE ARE GOING TO HAVE AGAIN OUR REGULAR CHAPTER MEETING IN THE SAME PLACE, AND THIS TIME OUR PRE-SENTER IS **MICHAEL GUTHRIE** FROM OUR SPONSOR "**HARMONICS**", WITH THE TOPIC: ATSC 3.0 ADVANCED FEATURES IMPLEMENTATION.

THE TREND FOR TUESDAYS IS "TACOS", SO WE WILL TRY TO BRING THEM TO OUR TABLE.

**WHEN:** TUESDAY JANUARY 14, 2020.

**PLACE:** KFOX/KDBC STUDIOS.

**TIME:** 12:00 PM

