

The LPTV Report

News and Strategies for Community Television Broadcasting

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Competition, Cooperation...Or War Opinions Vary On LPTV Must Carry Effort



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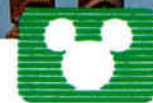
—by John Scott Lewinski

The relationship between LPTV broadcasters and cable operators has up to now been a difficult one — requiring both parties to invent new ways of handling what sometimes is an arm's length partnership, what can be a productive cooperation, but what often is a war in the courts.

And the issue is complicated even further when the community broadcaster is also a cable operator.

Roy Sheppard is the general manager

and operator of Cable Services, Inc. — and K32AP — in Jamestown, ND. According to Sheppard, operators who are in both cable and community broadcasting must often choose between the two —



The Disney Channel



even if their alliances and feelings run both ways.

"You have to look at the interests of both the cable and the community broad-

casting industries at the same time," he said. "Sometimes they conflict."

Sheppard's cable system reaches about 86% of the Jamestown area households, while Channel 32 reaches about 20,000 homes over the air. The LPTV channel is also carried by the cable system.

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488 Construction Permit Grants Proposed

On May 13, the FCC's LPTV Branch released the first set of proposed grants for applications filed in last February's window.

The list of proposed LPTV and TV translator construction permits comprises 336 new and 152 major change applications for 328 LPTV and 160 TV translator stations.

Applications listed on a proposed

grant list have been accepted for filing by the Commission and appear to be grantable as they stand. The Commission gives notice of its intent to grant the permits so the public has a chance to file petitions to deny the grants. If no such petitions are filed within a 30-day period, the CP's are usually issued.

For a complete list of the May proposed grants, see "...at the FCC" beginning on page 13.



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In Our View

This month, the FCC is expected to release a proposed Table of Allotments for the extra 6 MHz that television broadcasters will need for HDTV simulcasts. Stations will have the use of the extra spectrum until 2008, when they will have to give it back to the FCC. By then, every station will be broadcasting HDTV signals and every home will have replaced each of its TV sets with HDTV versions.

At least, that's the plan.

But the apparently unconsidered variables in this plan simply underline what I remember was the original reason for getting into HDTV in the first place: not to serve the consumer better, but to ensure (so the FCC argued) American economic dominance of this new technology. Unfortunately, it is becoming more and more clear that the costs of implementing HDTV—as the FCC envisions that implementation—may not be worth the meager benefits.

Consider the impact on local programming (assuming that stations will have enough money left over from the transition to *do* local programming). A recent news article pointed out, for example, that the different aspect ratios of NTSC and HDTV will make "simulcasting" of local productions such as newscasts next to impossible.

A newscast done in NTSC requires that the anchors sit very close together so they all fit into the picture. But the same newscast in HDTV will show a wide expanse of empty space on each side of the picture. If this kind of problem arises with a studio set, imagine trying to shoot a football game! Some broadcasters think the only solution will be to produce everything twice.

Consider also the dilemma of the cash-strapped broadcaster whose market share is dwindling, whose competition is multiplying, whose banker may be unwill-

ing to finance whatever HDTV technology is finally approved.

The talk in the hallways at the NAB convention three months ago, reports *Electronic Media* (April 20, 1992), was that the FCC's proposed 1998 deadline for HDTV implementation is impractical and unrealistic. In fact, "It's nonsense," said one broadcaster.

Converting a station to HDTV transmission capability will cost millions of dollars, a sum that could be out of reach for all but the nation's largest stations, broadcasters said. In fact, many smaller stations would have to come up with more for the conversion than they paid for their stations in the first place.

And as NAB president Eddie Fritts pointed out, "HDTV in and of itself will not generate additional revenues for stations." In fact, the necessary technological upgrades will likely drive programming costs up as well.

Ultimately, convention-goers said, it will be consumer demand, not the FCC, that makes HDTV feasible, and imposing a deadline for implementation ignores that. Will every TV household be HDTV-equipped by 2008, when the FCC proposes to shut down NTSC transmissions altogether?

Last month, I received a news release about a report called "The U.S. Market for Home Entertainment Equipment." It was published in April by Leading Edge Reports, a Cleveland, OH business research group.

The report's thesis is that the home entertainment market has traditionally been driven by the explosive successes of new "blockbuster" products that manufacturers have been able to introduce from time to time. Examples are color television in the 60's, and the VCR, camcorder, and CD player in the 70's and 80's.

The market for these products has now matured, and sales are leveling off. So the industry has decided to jump-start sales for the 90's by pushing two new products. One is the "digital compact cassette" which can record or play both digital and analog cassette tapes, and the other is HDTV.

But, says Leading Edge, neither product

is likely to emerge as the blockbuster that the industry wants and needs. DCC will probably eat into the existing cassette tape market instead of adding to it; and as for HDTV, "the benefits to the industry are not likely to materialize until well into the 21st century" because of the high prices companies will have to charge for the first sets.

In Japan, trial sets sold in 1991 at an average of \$27,000 per set. In the U.S., the first sets would probably sell for somewhere under \$10,000—still a significant amount that is well out of range for most consumers. And the price is not likely to drop into the hundreds for a long time, if ever.

Furthermore, like the DCC, the HDTV receiver will be a replacement product, not a new one. In 1990, U.S. home video equipment sales exceeded \$12 billion. TV sets accounted for more than 53% of that market—about \$6.6 billion. HDTV sets can be expected to replace some of those sales, but they won't add to the total.

Then there is the matter of demand. In a "Guest Comment" in the March issue of *TV Technology*, technology theorist Gordon W. Bricker brings up another point: "...consumers are not complaining about the picture quality of today's TV service. Lacking is any indication of perceived 'value' among consumers for the quality of HDTV or any indication of their willingness to pay a premium for the receiver.

"In fact, when viewed from a 'total system concept' (program, source to receiver), the display in the home will only be a much improved EDTV [extended definition television] picture until technology is available to produce high definition displays that consumers can afford. Thus HDTV is not 'market-driven'!"

There is still a lot that has to shake out, of course. But it was disconcerting to read in the midst of all this HDTV news what Commissioner James Quello told a Michigan Public Service Commission group last March: that "HDTV will be challenged or possibly replaced by 3-D stereophonic TV pictures and virtual reality phenomena."

By 2002.

Jannie Kiel

CBA Convention Set For October 27-29

The Fifth Annual LPTV Conference & Exposition, sponsored by the Community Broadcasters Association, will be held Tuesday through Thursday, October 27-29, 1992, at the Tropicana Hotel in Las Vegas.

For registration or exhibitor information, call Eddie Barker & Associates, convention managers, at 1-800-225-8183.



Some 75 participants attended the LPTV panel session April 15 at the 1992 National Association of Broadcasters convention in Las Vegas. Speakers were, from left, Robert Raff, general manager of TV 6 in Junction City, KS and a director of the Community Broadcasters Association; CBA president D. J. Everett, III of TV 43 in Hopkinsville, KY; CBA general counsel Peter Tannenwald; and Roy Stewart, chief of the FCC's Mass Media Bureau. The four speakers discussed the implications of the FCC's advanced television policy for LPTV stations.



LPTV and the LAW

—by Peter Tannenwald

Extending Your Construction Permit

A construction permit for a new LPTV station is good for 18 months. If you are not on the air within that time, you must file an application for an extension or else your permit will be cancelled by the FCC. With the downturn in the economy and the difficulty of obtaining cable carriage for LPTV, many permit holders have found it more difficult than they anticipated to build their stations and have been coming to me for help in getting extensions.

The FCC has a fairly strict general policy: Extensions are granted only if construction is prevented by circumstances beyond the permittee's control. Extensions are also granted if substantial real progress has been made toward construction. If a permittee is unable to build at all and wants to sell a permit, the sale should be made within nine months after the permit is first granted.

The LPTV Branch has historically interpreted the FCC's policy generously, as part of their effort to help our infant industry get on its feet. However, the Branch has developed some internal guidelines recently that have resulted in a stricter attitude toward extensions. The older the permit, the more difficult it is to get an extension, and some extension applications are being denied. Holders of permits

granted prior to 1989 are being subjected to the greatest scrutiny.

You'll Probably Get It

Here are some good reasons for a permit to be extended:

- You have a major or minor change application pending and cannot build until it is granted.
- A tower owner who really and truly promised you tower space will not give it to you any more. For example, the tower may now be full, or the owner may simply have reneged on his or her commitment. This is a problem that should be discovered early in the life of the permit, and you should be ready to file a site change application immediately if the site change would be a minor change, or in the next window if it is a major change.

A plea that the tower owner wants to charge too much may be viewed with some skepticism, unless a previously agreed on rent is being raised, because you were supposed to discuss the rent before certifying the availability of the site in your initial CP application.

- You have been seriously ill and unable to work, but you are better now or will be better soon.

• Your application for a building permit or a zoning variance is still working its way through local legal proceedings. You should have started the proceedings promptly and should be making some progress. If you have been denied zoning, you should be ready to file a site change application promptly.

• Your equipment supplier has failed to deliver equipment on time. You should have placed a firm order (attach a copy to your extension application), and the supplier should quote an approximate delivery date.

• Your station is partially built and will be finished soon. Submit details and a timetable for completion with your extension application. If construction has not started but you have placed a firm equipment order, including a cash down payment, that will often suffice.

You Probably Won't

Some insufficient reasons for an extension include:

- You do not have enough money to build the station and have not been able to raise capital.
- You are not willing to build until the local cable system agrees to carry your signal.
- You cannot find programming for your station.
- You want time to look for a buyer for the permit.
- The economy is bad, so you want to wait a while to build.
- You are doing something else now and would rather turn to LPTV later on.

Proposed sales of permits are particularly troublesome when the permit has already been sold once before or the permit has already been extended once or twice. While the LPTV Branch has ap-

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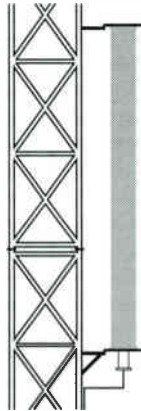
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LPTV Distribution by State and Territory

May 5, 1992

	Licenses	CPs
ALABAMA	11	30
ALASKA	222	10
ARIZONA	32	36
ARKANSAS	12	25
CALIFORNIA	54	98
COLORADO	24	31
CONNECTICUT	3	5
DELAWARE	1	1
WASHINGTON, DC	2	0
FLORIDA	52	122
GEORGIA	23	33
HAWAII	4	31
IDAHO	20	32
ILLINOIS	17	35
INDIANA	17	26
IOWA	13	30
KANSAS	13	23
KENTUCKY	13	29
LOUISIANA	19	39
MAINE	8	23
MARYLAND	2	6
MASSACHUSETTS	8	12
MICHIGAN	15	20
MINNESOTA	58	38
MISSISSIPPI	13	20
MISSOURI	21	34
MONTANA	31	53
NEBRASKA	4	10
NEVADA	23	22
NEW HAMPSHIRE	3	4
NEW JERSEY	3	14
NEW MEXICO	17	38
NEW YORK	32	45
NORTH CAROLINA	16	30
NORTH DAKOTA	9	14
OHIO	25	43
OKLAHOMA	24	35
OREGON	29	33
PENNSYLVANIA	22	54
RHODE ISLAND	0	2
SOUTH CAROLINA	4	20
SOUTH DAKOTA	8	21
TENNESSEE	33	33
TEXAS	68	115
UTAH	22	7
VERMONT	1	14
VIRGINIA	9	29
WASHINGTON	20	26
WEST VIRGINIA	3	7
WISCONSIN	17	17
WYOMING	26	17
GUAM	1	0
PUERTO RICO	7	6
VIRGIN ISLANDS	1	3

TOTALS: Licenses: 1,136
Construction Permits: 1,499

proved a few second sales of unbuilt permits, an especially persuasive justification is needed. I usually recommend to clients that if they have a second buyer or a buyer for a permit that has already been extended, they should build their station first and sell it after it goes on the air. The proposed buyer may assist financially with construction, although legal help is needed to avoid pitfalls that can lead to a finding of premature transfer of control.

If You Have To Sell

Remember, for your own benefit, that it pays to build first and sell later, because an unbuilt permit may be sold for no more than reimbursement of actual cash expenses, while a station that is on the air may be sold for whatever price the market will bear.

Also remember that extensions of permits are not automatic when applications for engineering changes or sales are

pending. A separate extension application is required. However, the grant of a sale includes a one-year extension after the sale is closed.

There is one cardinal rule that must never be forgotten. Whatever you tell the FCC in an extension application, make sure it is the truth. Misrepresentation is the equivalent of original sin at the FCC. If you are caught, you can kiss your CP and your investment good-bye.

If you do need to file an extension application, use FCC Form 307 and file an original and two copies. There is no filing fee. The application should be sent directly to the FCC in Washington, DC, not to the Pittsburgh post office box used for applications with fees.

Peter Tannenwald is a partner in the Washington, DC law firm of Arent, Fox, Kintner, Plotkin & Kahn. He is general counsel to the Community Broadcasters Association. CBP

5 Stations Fined, 9 Warned For Political Programming Violations

Two major market full power television stations have been fined \$25,000 each for violating the FCC's political programming rules. KDFW-TV of Dallas-Fort Worth violated the lowest unit charge statute by overcharging for 47 political announcements. KRON-TV in San Francisco overcharged for 98 political announcements and twice violated the rule prohibiting discrimination between candidates, the FCC found.

The action followed a compliance audit of 30 broadcast stations that began in July 1990.

Besides the two \$25,000 fines, the FCC fined KTXA(TV) in Dallas-Fort Worth \$7,500, KRLD(AM) in the same market \$3,750, andWSTR-TV in Cincinnati \$1,500. All three fines were for failing to maintain a complete political file.

The agency sent a letter of admonition to KPLX(FM) in Dallas-Fort Worth for vio-

lating the lowest unit charge statute by failing to include bonus spots in calculating its lowest unit charge. Nine letters of caution were sent to various radio and TV stations in Cincinnati, Dallas-Fort Worth, Philadelphia, Portland, and San Francisco. The stations were cautioned for failing to disclose information regarding discount privileges available to commercial advertisers. One station was also cautioned about its policy of limiting the amount of time federal candidates could buy.

BON MOT

If at first you don't succeed, you're doing about average.

Anonymous

The LPTV Report

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Cable Opinion

continued from front page

"The station is an outgrowth of the cable system plan," Sheppard explained. "All of Channel 32's operations are handled by the staff of the cable company."

The arrangement has many advantages for Channel 32, Sheppard commented — an excellent tower location, a professional technical staff, and a first-rate production and sales staff. There is a healthy relationship between the cable system and the station.



Sheppard

The Must-Carry Debate

However, the relationships between community broadcasters and cable operators — when they do not share management and staff — often resemble an alliance formed somewhere other than in heaven. Across the country, community broadcasters have struggled to get their channels carried on community cable systems. And several stations have taken their stories to the courts, usually charging the cable companies with anti-trust violations or restraint of trade.

That's where a must carry law that includes community broadcasters would help. Last January, the U.S. Senate passed its cable reregulation bill — S.12 — which included an amendment by Senator Wendell H. Ford (D-KY) granting must carry rights to LPTV stations that do local programming (see *LPTV Report*, February 1992, page 1).

The House is currently considering its own cable bill, H.R. 4850. An LPTV must carry amendment by Rep. Jim Slattery (D-KS) was not considered during markup last month by the House communications subcommittee. Slattery plans to introduce the amendment when the full Commerce committee marks up the bill, possibly sometime this month.

Issue Provokes Strong Feelings

Debate rages between parties on all sides of the issue — the community broadcasters who want cable carriage, the cable operators who resent being forced to carry a signal, and full power television broadcasters who fear the additional competition of community stations.

"I know this opinion is not held by a lot of LPTV broadcasters," Sheppard said, "but must carry is unconstitutional and will fail. It's been struck down before in the courts, and I think it will be struck down again."

Sheppard objected to the Community Broadcasters Association's effort to win must carry for LPTV stations. He fears

that by concentrating too much on this single issue, the CBA will end up harming the community television industry.

"The CBA could be working toward improving the quality of individual stations to make them more attractive to cable," he said. "After all the must carry business is over, where will the LPTV industry be?"

Sheppard believes that there are better, "friendlier," ways for LPTV broadcasters to gain cable carriage — improving their programming, for example. If the "product" is high quality, he says, cable will "buy."

Other Cable/LPTV Broadcasters Agree

Greg Uhrin, of Concord, NH, operates Channel 13 (W13BG), a community broadcast station that signed on in January 1989. Channel 13 airs exclusively locally-produced programming that spans the spectrum from news shows and public interest programs to entertainment and sports.

Uhrin also runs an independent production company that is contracted to New Hampshire's Continental Cable and produces programming for the Yankee Cable Network. The deal, Uhrin said, leaves him more allied to the cable industry than to the community broadcasting business, even though Channel 13 is carried on two cable systems in that area.

Uhrin is not a cable operator, but his close relationship with the cable systems in his area allows him to see the must carry issue from the cable operators' point of view.

"My posture as an LPTV broadcaster is that we're wasting our time with must carry," he said. "If a station deserves it, it will get the coverage it needs."

"When you move into a community, the relationship between you and your cable system might be adversarial at first, but if you're providing programming that doesn't exist in that community, the cable system will want to carry you. That's why I find the whole must carry issue absurd."

LPTV Stations Must Earn Carriage

Uhrin added that his community broadcast operation, like many others across the country, was providing a good programming service. He feels that if his station's service is good and the programming is of good quality, cable operators won't have to be forced to carry his signal.

"We're concentrating on the issue of a delivery system when programming should be the major issue," he said. "If we're not a viable service and are not of value to the community, we're not going to be carried."

Phil De Sano is a member of the cable industry who has two community stations in New England. W23AS broadcasts in the Providence, RI area, while W53AT oper-

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ates out of Waterville Valley, NH.

De Sano was involved with Cox Cable Communications when it built several cable systems in Rhode Island. He still runs a small cable outfit called SkiSat, which provides sports and recreational programming for ski resorts in New Hampshire. Channel 53 is part of the SkiSat operation and its permit is owned by SkiSat.



De Sano

The local cable system and LPTV station should work together to serve the community, De Sano thinks. "Our LPTV station offers the opportunity to reach out to other resort communities in the area," he said. "The joint effort of the cable channel and the LPTV station can work very well."

De Sano echoed the opinions of the other LPTV/cable operators on must carry. "I'm against must carry. My interests are at opposite ends of the spectrum here, but I'm approaching the issue primarily as a cable operator, and I am against it."

"On the other hand, I can see how must carry is very important for the LPTV broadcasters," he added. "And I admit that I'm not deeply opinionated on it one

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way or the other because I'm involved in both industries and am really in a no-lose situation, personally."

Must Carry Would Equalize Opportunity

Brad Dobbs, station manager for Channel 43 (W43AV) in Waukesha, WI, was involved with the cable industry for 18 years, the last seven of them as manager of local community programming operations for cable giant American Television and Communications Corporation. He disagrees with the other cable/LPTV operators.



Dobbs

"Because of the service community broadcasting provides, and the source for local programming it represents," Dobbs said, "I think LPTV should have an even playing field. Must carry is needed to ensure that it remains a source for important local programming."

Dobbs expressed some surprise that any community broadcast operators would oppose must carry. "We in community broadcasting are doing what the original broadcasters were supposed to do," he explained. "We're directly serving the community."

The CBA has worked hard to organize community broadcasters from around the country into a group that the FCC and Congress will have to listen to.

John Kompas, a CBA director presently in charge of the association's government relations efforts, is a strong proponent of must carry.

"There are a number of things to be said here," he commented. "First, cable operators have argued that must carry is unconstitutional under the First Amendment, and that argument has been upheld twice by the courts.

Compulsory License

"But cable systems should keep in mind that the compulsory license which relieves them of copyright payments to the stations whose programming they carry was originally passed to balance

must carry obligations.

"If they enjoy compulsory license," Kompas insisted, "they should allow must carry. They can't have their cake and eat it, too."

Another issue Kompas raised was the struggle between cable systems and LPTV stations for local ad dollars.

"Cable operators have been and are in the habit of disconnecting a customer's outside receiving antenna when providing a cable hook-up. This makes it impossible for them to receive many over-the-air signals," he said. "The broadcaster at that point is at the cable operator's mercy.

"And if both the cable operator and the LPTV broadcaster sell ad time to the local market, there is a real disincentive for the cable operator to carry the LPTV, no matter what kind of programming it airs."

Kompas suggested that a cable operator would probably prefer to carry a full power station that airs national or regional ads than a community broadcaster who could compete for local advertising.

At this writing, H.R. 4850 is targeted for markup in the House Commerce Committee by mid-June, at which time Rep. Slattery is expected to offer his LPTV must carry amendment for a vote. The bill will probably come before the full House by early July.

The CBA has hired Jim Dunstan of the Washington, DC law firm, Haley Bader & Potts, to lobby House Commerce Committee members for the Slattery amendment.

Anne C. Rosenberger contributed to this story.

CBP

Fifth Interim ATV Report Out

The Federal Communications Commission has released the main text of the Fifth Interim Report of the Advisory Committee on Advanced Television Services, which was adopted on March 24.

The complete report is available through the Downtown Copy Center in Washington at (202) 452-1422.

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Luck: When opportunity and preparation meet.

Heard on the radio.

Program Book Lists New Shows For Fall

A handy pocket-size reference just out lists the new shows to be introduced this fall by each of the three major networks, as well as Fox Broadcasting and ad-supported cable networks. The book also lists programs to be offered in first-run syndication.

Each entry includes a program title (or working title), the length and number of episodes, the production company, pro-

ducers, major cast members, and a synopsis of the plot or theme.

The entire reference is indexed in the back by program title, distributor or syndicator, studio or production company, and talent. Distributors' telephone numbers are provided, but not addresses.

The \$14.95 book is co-published by *Daily Variety*, Ventures in Media, and CanLib, Inc. and can be ordered by calling 1-800-552-3632.

CBP

Supplier Solo

Is Solid State Worth The Price?

—by Gordon Allison

Community Television broadcasters must always balance projected revenues against the expenditure needed to acquire capital equipment such as a transmitter. Traditionally, the lower initial outlay for a tube type transmitter has made them more popular than their solid state counterparts.

However, if you are trying to decide between a conventional tube type transmitter and a new solid state design, there are several factors you should consider besides initial cost. These are:

- Remote controllability;
- Potential interference with other transmitter site users;
- Electrical power and other operating costs;
- Automatic output level control (ALC);
- Costs associated with loss of on-air time;
- Availability of on-site repair service.

Remote Controllability: First, let's compare the TTC XL1000 1 kW tube type transmitter with TTC's XLS1000 solid state transmitter. When you consider capabilities that are optional on the tube but standard equipment on the solid state, the price difference is narrowed.

A basic remote control interface is an option for the tube transmitter and sells for approximately \$1,200 while an extensive remote interface is included in the



TTC's XLS1000 solid state transmitter.

solid state. The solid state transmitter's remote metering allows each output transistor's voltage and current to be monitored if there is a master alarm indicating a transmitter problem. With a battery back-up system on the remote control, you can even call up the site if there is a power failure to monitor site parameters as well as transmitter status.

Potential Interference: Most community TV transmitters are installed at sites with existing RF equipment. The site operators are concerned that your equipment, being ten times more powerful than theirs, will cause intermodulation and desense problems. "Desense" is the effect of a nearby transmitter on a receiver which reduces the receiver's input sensitivity. Intermodulation products occur when one transmitter's output is received by a second transmitter, creating sum and difference signals (intermods) which could result in an FCC fine against the operator.

The 2 kW isolator used in the TTC solid state transmitter eliminates intermodulation problems. In addition, the bandpass filter ensures that out-of-channel signals will be attenuated below any level that would cause desensing in the two-way radio receivers. The tube transmitter, however, may require that you add an isolator kit if you want to install the transmitter near other RF equipment. This kit costs approximately \$3,500.

Operating Costs: The average cost for electrical power in the United States is approximately 6.5¢ per kilowatt-hour. If a tube transmitter and TTC's solid state transmitter are compared, TTC's solid state unit will save its owner approximately \$470 per year in electrical power cost. Over a ten-year life, this can add up to \$4,700 in today's dollars.

Tube replacements cost about \$4,500 each, so the price difference between a tube and solid state transmitter amounts to less than two replacement tubes. If tubes last approximately two years each, you may ask, "Why wait for a four-year payback on a solid state transmitter?"

Automatic Output Level Control: But suppose on a Saturday morning your tube fails prematurely. You can most likely find a contract engineer who knows how to do the RF patching on your TTC tube transmitter, and you can connect the driver directly into the antenna and make 30 watts of transmitter output power.

Compare this to the XLS-1000 solid state transmitter where there are 16 output devices in parallel and enough reserve output power that the Automatic Level Control (ALC) can easily compen-

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Circle (171) on ACTION CARD

sate for one or two transistor failures, keeping you on the air at the full 1 kW power level. How much will you save in operating costs if you do not have to pay an engineer overtime weekend rates to get you back on the air?

How about a wintery night when an ice storm coats you with half an inch of radial ice? An XL1000 tube transmitter will continue to operate until the reflected power limit is reached, and then it turns itself off to protect your tube from catastrophic failure due to high reflected power (VSWR). The XLS1000 solid state, on the other hand, will gradually reduce output power (foldback) as the ice continues to accumulate, no matter how much ice is involved. It protects itself from damage but still keeps your signal on the air.

Suppose someone decides to use your antenna system for target practice? You could have a catastrophic RF system failure on your hands. In this situation, you do not want the transmitter to continue producing power because it will sustain any arcing that the bullet damage may have caused and exacerbate the damage. In addition, the arcing may cause spurious emissions which could be grounds for an FCC fine. But with an XLS-1000, you're safe. Its ALC circuit will detect the antenna failure and immediately shut down, eliminating the arc and the spurious emissions.

continued

What's Going On

June 10-13, 1992. NAB Radio Montreux International Radio Symposium (European Broadcasting Union's Symposium on Digital Audio precedes Radio Montreux, June 8-9). Montreux, Switzerland. *Contact:* (202) 429-5300.

June 10-15, 1993. 18th Montreux International Television Symposium and Technical Exhibition. Montreux, Switzerland. *Contact:* (202) 429-5300.

June 14-17, 1992. Broadcast Promotion and Marketing Executives & Broadcast Designers Association Annual Conference & Expo. Seattle, WA. *Contact:* (213) 465-3777.

July 26-28, 1992. Wireless Cable Association International '92 Convention. Marriott Orlando World Center Hotel, Orlando, FL. *Contact:* Robert L. Schmidt, President, (202) 452-7823.

August 23-26, 1992. Cable Television Administration and Marketing Society 1992 Convention. San Francisco Hilton, San Francisco, CA. *Contact:* (703) 549-4200.

September 9-12, 1992. National Association of Broadcasters Annual Radio Convention. New Orleans, LA. 1993 Convention, September 8-11, Dallas, TX. 1994 Convention, September 7-10, Los Angeles, CA. 1995 Convention, September 6-9, New Orleans, LA. *Contact:* (202) 429-5356.

September 23-26, 1992. Radio-Television News Directors Association Annual Convention. San Antonio, TX. 1993 Convention, September 29-October 2, Miami Beach, FL. *Contact:* (202) 659-6510.

October 1992. Women in Communications, Inc. National Professional Conference. Chicago, IL. Dates to be announced. *Contact:* (703) 528-4200.

October 11-13, 1992. Association of National Advertisers, Inc. 83rd Annual Meeting & Business Conference. Hot Springs, VA. 1993 Convention, October 17-19, Palm Beach, FL. *Contact:* (212) 697-5950.

October 14-17, 1992. Society of Broadcast Engineers National Convention. San Jose, CA. 1993 Convention, October 13-16, Richmond, VA. *Contact:* (317) 842-0836.

October 27-29, 1992. Community Broadcasters Association LPTV Conference & Exposition. Tropicana Hotel, Las Vegas, NV. *Contact:* Eddie Barker, (800) 225-8183.

November 10-14, 1992. Society of Motion Picture and Television Engineers Annual Conference. Toronto. *Contact:* Ann Cocchia, (914) 761-1100.

November 11-13, 1992. Private Cable Show. The Marriott at Sawgrass Resort, Ponte Vedra Beach, FL. *Contact:* Nancy L. Toman, (713) 342-9655.

November 12-15, 1992. National Association of Farm Broadcasters Annual Meeting. Kansas City, MO. *Contact:* (612) 224-0508.

April 19-22, 1993. National Association of Broadcasters Annual Convention and Broadcast Engineering Conference. Las Vegas, NV. *Contact:* (202) 429-5356.

April 28-30, 1993. Broadcast Cable Financial Management Association/Broadcast Cable Credit Association Annual Conference. Lake Buena Vista, FL. 1994 Conference, April 20-22, Town & Country Hotel, San Diego, CA. *Contact:* Cathy Lynch, (708) 296-0200.

June 13-16, 1993. Broadcast Promotion and Marketing Executives & Broadcast Designers Association Annual Conference & Expo. Orlando, FL. 1994 Convention, June 10-13, New Orleans, LA. 1995 Convention, June 7-10, Washington, DC. *Contact:* (213) 465-3777.

Loss of Air Time: How important is reliability to the cable companies who depend upon your signal? For some cable companies, the shortest interruption or smallest degradation justifies removing your signal. But TTC's solid state transmitter has "soft failure" characteristics. This means that the transmitter will attempt to stay on-air at the highest power levels possible, despite any internal system failure.

With TTC's soft-fail solid state design, multiple failures can be handled without interrupting your on-air signal. For example, suppose both air handling fans fail in the XLS1000. The vertical module design allows convective air flow and you will be given an alarm before the ALC controller reduces power to keep the transistors from overheating. Should the blower in a tube transmitter fail, the transmitter will generally operate for a minute or so until the thermal overload trips and shuts the transmitter off. Dead air is not the way to build audience loyalty.

Parts and Service Issues: If you compare other solid state transmitters with TTC's XLS1000, you will find that some use packaged switchmode DC power supplies. Should one of these fail, you have several options. One, you can remove the power supply and return it to the manufacturer for repair, resulting in considerable time off-air. Two, you can stock a spare and hope you have no more than one failure until you get a replacement supply.

Three, you can attempt to repair the failed supply. Switchmode power supplies require dual trace oscilloscopes, external bench power supplies, and pulse generators for repair. Few community TV stations are fortunate enough to have that type of

test and repair facility.

But TTC uses simple analog components which in many cases are available from local electronics parts suppliers such as Radio Shack. With a voltmeter, you at least have a shot at making the repairs yourself. Best of all, you can do it at your leisure and not on weekend overtime rates.

Some transmitters use inexpensive muffin fans to cool the amplifier trays. These fans have notoriously short lives. In the case of horizontal transistor mounting arrangements, a fan failure practically guarantees that the amplifier will shut down due to overheating.

Other Factors: Other things to be considered in choosing a transmitter include lightning protection, aural power output, and self-contained design.

Lightning-induced power line voltage surges can destroy a transmitter. TTC's experience has shown that a rugged, ferroresonant power supply is the most reliable for broadcast service. In addition to suppressing voltage transients and surges, it provides line voltage regulation which is important for those sites far removed from the AC power grid's distribution transformer. The XLS1000 has a DC path so that the output coupling loop can discharge static build-up from thunderstorms. A 2 kW isolator diverts lightning-induced RF into a dummy load, protecting the power output devices.

Tube transmitters have the potential for high-voltage arcing caused by corrosion and lowered air dielectric voltage. The low voltages used in the TTC solid state design eliminate this problem.

Some transmitters have 5% aural as the standard sound output. TTC has a full 10% aural as standard, which is more

than adequate for BTSC stereo.

Since the TTC transmitter uses internal multiplexing, the cabinet contains the complete transmitter. Externally diplexed transmitters usually require cavities and coaxial components to be mounted above the cabinet in order to combine the aural and visual RF signals. Internal multiplexing saves installation time, and the transmitter is always fully factory-tested before shipment.

TTC pioneered the use of UHF TV channels for studio-to-transmitter link (STL) service. It is important to consider all of the costs involved in your transmission chain. STL can represent a significant part of the total RF package cost. TTC's dual input option could allow an earth terminal to be co-located with the transmitter in an area free of terrestrial microwave interference and yet permit the studio to switch the transmitter into the translator mode for local program insertion automatically using the UHF STL.

Sometimes low initial equipment costs can blind a buyer to higher operating costs. But to make sure of making the best choice, you need to examine and evaluate the total system, weighing hardware costs against operating and repair expenses to arrive at the true cost of ownership. TTC has been in the LPTV and translator businesses for 25 years, and we can help you optimize your equipment package to best suit your broadcast needs and operating budget.

Gordon Allison is television products manager for Television Technology Corporation, a Colorado transmitter manufacturer. For further information, contact either Allison or Jim Burns, television marketing manager, at (303) 665-8000, extension 456.

CBP

Supplier Side

Riser Bond Instruments has introduced the Model 1220 TDR, cable fault locator. Model 1220 is a multi-purpose Metallic Time Domain Reflectometer used to pinpoint and identify defects in two-conductor cable.

The 1220 can detect faults up to 65,000 feet within .01%. An exclusive automatic cursor placement feature, waveform storage/comparison, and a multi-level function noise filter combine to make the 1220 a powerful and versatile TDR.

The compact ten-pound unit can be used for troubleshooting tower, aerial, and underground cables, as well as cables in conduits, on reels, and behind finished walls.

Circle (118) on ACTION CARD

The lowest cost "prosumer" media controller on the market was recently introduced at the April NAB show. Clark, a new media controller from **Advanced Remote Technologies, Inc. (ARTI)**, permits most camcorders, VCR's, or laserdisc recorders to interface with Macintosh, Amiga, or PC-based computers. When serially connected, Clark will control up to



The Clark, from ARTI.

16 video devices simultaneously. Compatible tape formats include Hi-8, VHS, Beta, 8 mm, and S-VHS.

Standard Clark hardware controls devices to the accuracy level of the device being controlled. Using ARTI's optional time code reader adaptor, Clark can also read SMPTE time code.

Clark as well as several other media synchronous control products from ARTI are being integrated into Toshiba's line of professional video and consumer products.

Circle (125) on ACTION CARD

Andrew Corporation has developed a new AL8 UHF antenna series for LPTV and

TV translator applications.

The AL8 series antenna can be ordered for channels 14-83 and comes standard with eight bays, an omni-directional pattern, null fill, and a 1 kW input power rating. Extremely lightweight, the AL8 antenna is slender, keeping tower loading to an absolute minimum. A tower attachment kit for top or side mounting is included.

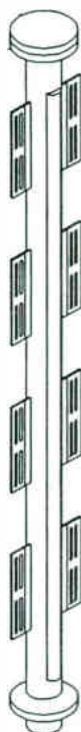
The company has also expanded its ALP-Series LPTV antenna line to include several new patterns. The ALP-WR offers a reduced back lobe wide cardioid pattern with a 220° beam width. Two new high gain cardioid antennas — the ALP-D and the ALP-T — and a 180° peanut pattern, the ALP-H, are suitable for narrow coverage requirements.

Circle (129) on ACTION CARD

Ampex has just announced its latest addition to the metal particle videotape line, the 398 MPX Mastering Series Beta-cam S/P videotape.

Each videocassette offers up to 94 minutes of play time. The high frequency capability of metal particle tape provides better bandwidth and allows video recording at higher carrier FM frequency. A spool-hub bearing button mounts to the

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- Competitive pricing

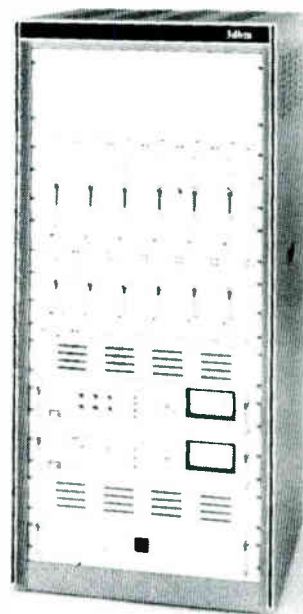
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3dbm, a recognized leader in specialized military ground and airborne systems for over 25 years, introduces the Model 800, Solid-State, Low Power Television Transmitter. The Model 800 utilizes the latest in state-of-the-art, solid state technology. It accepts video and audio inputs from virtually any source, and transmits at any standard UHF or VHF channel.

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Circle (75) on ACTION CARD
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cassette shell rather than to the window for greater stability; the precision, high-impact cassette mechanism improves durability; and an antistat is molded in to reduce dust attraction and avoid dropout buildup.

Circle (127) on ACTION CARD

Panasonic Broadcast and Television Systems has introduced two new S-VHS VCR's for flexible multi-media operations.

The AG-7350R S-VHS Hi-Fi VCR features an RS-232C serial interface as standard. This interface allows up to 32 VCR's to be daisy-chained to a PC for a wide range of multi-media applications. The VCR features laminated amorphous video heads for improved picture quality, and four-channel audio via two Hi-Fi and two linear channels with Dolby noise reduction.

Additional features include jog capability, a 17-step shuttle dial with variable forward and reverse speeds from 1/25x to 11x, and sensor recording and linear time code capabilities. For smooth operation and convenient quick response, a full-loading tape mechanism offers "stop" to "play" mode with the picture on screen in less than two seconds.

Panasonic's AG-7355R S-VHS Hi-Fi VCR provides the same broad spectrum of features as the AG-7350R, with RS-232C serial interface standard, but adds digital frame memory for stable full-frame stills.



The new AG-7350R (top) and AG-7355R S-VHS Hi-Fi VCR's from Panasonic.

Suggested list prices are \$3,000 and \$3,700, respectively.

Circle (132) on ACTION CARD

Solve your cable stripping problems with the "15-Second Quick Strip" by **Canare**. The TS-Series coaxial cable stripper features specially hardened steel blades and adjustable cutters that fit most common coax cable types. Just insert the cable, rotate the tool, and pull out the stripped cable. The ergonomic design makes the process easy and fast.



Canare's "Quick Strip" cable stripper.

The inexpensive tool can be used more than 1,000 times.

Circle (136) on ACTION CARD

The AMP-0.9 is the latest addition to **Wohler Technologies'** line of rackmount audio monitors.



The AMP-0.9 audio monitor from Wohler Technologies.

Housed in a compact one rack-unit package, the AMP-0.9 may be used for stereo or fully discrete two-channel operation. Each channel is equipped with both unbalanced RCA and balanced XLR inputs, a 10-watt power amplifier section, an output limiter, and a 5" wide-range transducer mounted in a 90° baffle. Each channel has a volume control; and a stereo headphone jack is standard.

Available options include 10-segment LED level meters, ganged volume control with balance, loop-through XLR line outputs, and 1/4" output jacks for external speakers.

The new AMP-0.9 is suitable for a wide range of non-critical broadcast applications. Professional user net price is \$515.

Circle (137) on ACTION CARD

Supplier Shorts

Cablewave Systems announces that Robert Luke has joined the company as broadcast sales manager. Luke's responsibilities include supporting the company's expanding network of domestic and international distributors, OEM's, and end users.

Luke will be based in Kingston, PA and will coordinate the activities of his office with those of the North Haven, CT corporate office and staff of Bill Meola, Cablewave's national broadcast sales manager.

• • •

JVC Professional Products Company has appointed Sidney Rivenbark district sales representative for North Carolina, South Carolina, and Georgia. Rivenbark will be responsible for JVC's professional video and audio products sales in the three states.

• • •

Pesa, Inc., a Spanish broadcast electronics company with engineering and manufacturing facilities in the U.S. and Spain, has acquired 81% of the outstanding common stock of Chyron Corporation — which filed for reorganization under Chapter 11 of the bankruptcy code last December. The Spanish company also acquired a convertible note for 25 million additional shares.

The Chyron Group — which comprises Chyron, DSC, CMX, and Aurora — designs, manufactures, and markets digital electronic graphics equipment and systems; computer-assisted video, film, and audio editing systems; special effects equipment; and paint and animation systems for the broadcast TV, cable, video production, post-production, and industrial markets.

New Law Protects Disabled In The Workplace

On January 26, the Americans with Disabilities Act (ADA) of 1990 went into effect. The Act prohibits employment and other discrimination against people with disabilities and covers all employers with 15 or more full-time employees. Smaller employers — such as most LPTV broadcasters — with fewer than 25 employees have until July 26, 1994 to comply.

The Act protects anyone with a physical or mental impairment that substantially limits one or more of his or her major life activities, such as walking. Also protected are persons with communicable diseases such as AIDS or the HIV virus, those recovering from drug or alcohol addiction, and anyone regarded as being disabled, whether or not they are in fact limited in

the performance of their jobs.

However, the Act's protection may be invoked only by persons who are qualified to do the particular job for which they are applying.

A second part of the Act requires the owners of places of "public accommodation" to make them accessible to the disabled. Public accommodations include most privately owned businesses that serve the public. For example, a public tour of a commercial facility would serve to qualify the portion of the facility that is open to the public as a place of public accommodation.

A copy of the Act may be obtained from any local Equal Employment Opportunity office.

...at the FCC

NEW LPTV LICENSES

The following LPTV stations received licenses on the dates shown. Station call sign, location, and the name of the licensee are also given.

K59DH Little Rock, AR. Talley Television Corporation, 4/17/92.

W36AJ Jacksonville, FL. Neighborhood Broadcasting Services, 4/16/92.

W61BX Grand Rapids, MI. Good News Television, Inc., 4/16/92.

K34DG Willmar, MN. UHF Television, Inc., 4/16/92.

K38CV Willmar, MN. UHF Television, Inc., 4/16/92.

LPTV LICENSE RENEWALS

The following LPTV station received its license renewal on the date shown. Station call sign, location, and the name of the licensee are also given.

K08IW Dutch Harbor, AK. Unalaska Community Television, 4/10/92.

NEW LPTV CONSTRUCTION PERMITS

The following parties received LPTV construction permits on the dates shown. Station call sign and location are also given.

K17DI Crowley Lake, CA. Mono County Service Area #1, 5/4/92.

K19DI Crowley Lake, CA. Mono County Service Area #1, 5/4/92.

K16CW Hanford, CA. Eduardo & Rosa Caballero, 4/23/92.

K20DR San Luis Obispo, CA. J. Christian Damon, 4/16/92.

K62EF Honolulu, HI. Jose Castellanos, 4/23/92.

K67FR Wichita, KS. Brian N. Benschoter, 4/15/92.

K32DM Trout Creek, MT. Trout Creek/Noxon/ Heron TV District, 4/28/92.

K17DD Albuquerque, NM. Max A. Trevino, 4/16/92.

K54DV Carlin, NV. Carlin Television District, 4/28/92.

K05MK Elko, NV. Elko Television District, 4/10/92.

W47BM Rochester, NY. Global Broadcasting, 4/15/92.

K25EP Newport, OR. A. B. Herman, 4/30/92.

K40DO Sisseton, SD. Mountain TV Network, Inc., 4/23/92.

K39DJ Corpus Christi, TX. James D. Morgan, 4/16/92.

K17DE Uvalde, TX. Fourth Man Center, dba Fourth Man TV, 4/28/92.

K41DH Victoria, TX. Perspective Communications, Inc., 4/23/92.

W51BW Richmond, VA. James D. Morgan, 4/23/92.

W04CT Richmond, VA. Commonwealth Broadcasting, 4/16/92.

ASSIGNMENTS AND TRANSFERS

W58BK Naples, FL. Voluntary assignment of permit granted from Suncoast Television, Inc. to Trinity Broadcasting Network, 4/15/92.

W48AY Oldsmar, FL. Voluntary assignment of permit granted from Ronald J. Gordan to ZGS Broadcasting, Inc., 1/23/92.

K16CQ Twin Falls, ID. Voluntary assignment of permit granted from The Little TV Station to Trinity Broadcasting Network, 5/5/92.

W36AR Lafayette, IN. Voluntary assignment of permit granted from CPM Broadcasting Company to Trinity Broadcasting Network, 5/1/92.

W51BT Marion, IN. Voluntary assignment of permit granted from ACTS of Marion, Inc. to IWU Com-

munications, Inc., 4/14/92.

K15DC Appleton, MN. Voluntary assignment of license granted from Rural Western UHF TV Corporation to Prairieview TV, Inc., 4/20/92.

K17CS Appleton, MN. Voluntary assignment of license granted from Rural Western UHF TV Corporation to Prairieview TV, Inc., 4/20/92.

K19CW Appleton, MN. Voluntary assignment of license granted from Rural Western UHF TV Corporation to Prairieview TV, Inc., 4/20/92.

K47CO Reno, NV. Voluntary assignment of permit granted from K-Fun Television, Inc. to Kidd Communications, 4/10/92.

W08CJ Glens Falls, NY. Voluntary assignment of license granted from Grich Broadcasting Corporation to Grich Broadcasting Corporation, Debtor-In-Possession, 5/5/92.

W26AJ Glens Falls, NY. Voluntary assignment of permit granted from Grich Broadcasting Corporation

to Grich Broadcasting Corporation, Debtor-In-Possession, 5/5/92.

W06BK Findlay, OH. Voluntary assignment of license granted from Seeway Broadcasters to Findlay TV Corporation, 4/16/92.

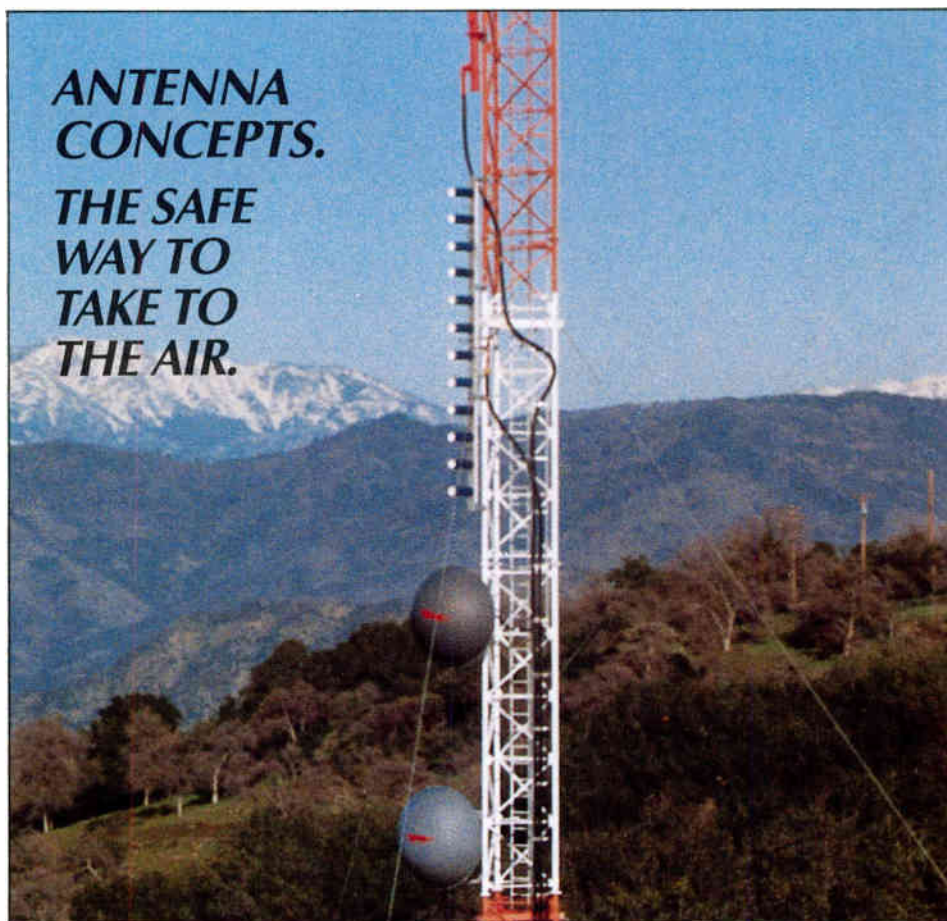
K65DW Austin, TX. Voluntary assignment of permit granted from Channel America LPTV License Subsidiary, Inc. to Nicholas Communications Corporation, 4/15/92.

K51BX Woodrow, TX. Voluntary assignment of license granted from Ronald, J. Gordan to ZGS Broadcasting, Inc., 1/23/92.

CHANGES OF COMMUNITY

W41BF Miami, FL. Sherjan Broadcasting Co., Change of principal community granted from Coral Gables, FL to Miami, FL on 4/7/92.

W23AT Mokena, IL. N. W. Suburban Communica-



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tions, Inc. Change of principal community granted from Mokena, IL to Chicago, IL on 5/1/92.

CANCELLATIONS

The following construction permits were cancelled and their call signs deleted on the date shown.

W08DD Mobile/Navco, AL. Lonnie James, 4/28/92.
K18CQ Aspen, CO. Steamboat Broadcast Systems, Inc., 4/28/92.
K02NZ Pueblo/Blende, CO. Susan Webb, 4/28/92.
W60BQ Daytona Beach, FL. Neal L. Andrews, Jr., 4/28/92.
W56CR Hudson, FL. Alfred O. Bonati, 4/28/92.
W09BI Tallahassee, FL. Associated Christian TV System, Inc., 4/28/92.
W44AF Augusta, GA. Neighborhood Broadcasting Services, Inc., 3/30/92.
W60BO Brunswick, GA. Neighborhood Broadcasting Services, Inc., 3/30/92.
K35DB Kailua, HI. Alegria Broadcasting Corporation, 3/30/92.
K52DQ Wailuku, HI. Bar Broadcasting, 5/1/92.
K13VP Rigby, ID. Ambassador Media Corporation, 4/28/92.
W50BG Alton, IL. Community Broadcasting Corporation, Inc., 4/28/92.
W05BW Fort Wayne, IN. Patrick J. Sheppard, 4/1/92.
K34CP Dodge City, KS. Clear Channel Television, Inc., 4/28/92.
K68DN Tyro, KS. Mountain TV Network, Inc., 4/28/92.
W13CO Lexington, KY. James Worrall, 4/28/92.
W66BP Natchez, MS. Black Media Associates, 4/28/92.
K69GE Fargo, ND. Janet Roberts, 4/28/92.
K69GA Albuquerque, NM. Coronado Communications Company, 4/28/92.
K33BL Las Vegas, NM. David Kahn, 3/30/92.
W69CH Hammond, NY. Videolink, 5/1/92.
W57AZ Hampton Bays, NY. Lawrence P. O'Daly, 3/26/92.
W32AW Cincinnati, OH. James Worrall, 4/28/92.
K56EO Edmond, OK. Gerald Brothers, Jr., 4/28/92.
K68DO Eufaula, OK. Retherford Publications, Inc., 5/1/92.
K59DW Chiloquin, OR. Kurt Petersen, 5/1/92.
K61FG Chiloquin, OR. Quentin L. Breen, 4/28/92.
K65EX Chiloquin, OR. Quentin L. Breen, 4/28/92.
K67FB Chiloquin, OR. Quentin L. Breen, 4/28/92.
K69GC Chiloquin, OR. Quentin L. Breen, 4/28/92.
W05BX Harrisburg, PA. Clarabelle F. Boone, 4/28/92.
W32AO Pittsburgh, PA. Domsat of Pennsylvania, Inc., 5/1/92.
K59EG Bryan, TX. Quanta Communications, 4/28/92.
K58CA San Antonio, TX. Channel America LPTV License Subsidiary, 4/20/92.
W42BL South Boston, VA. Charles Everette Beaver, 3/30/92.
W13CJ Burlington, VT. Susan Webb, 3/30/92.

LPTV LOTTERY WINNERS

The following are tentative selectees of the LPTV/translator lottery held on May 6, 1992. If no petitions to deny the selectees are filed, and if they are otherwise qualified, they will be granted construction permits.

Ch. 30 Birmingham, AL. Park Broadcasting Company.
Ch. 38 Huntsville, AL. Kaye Arwood.
Ch. 31 Phoenix, AZ. Raul Infante, Jr.
Ch. 62 Bainbridge, GA. The Bainbridge Post-Search Light, Inc.
Ch. 49 Hilo, HI. Alegria Broadcasting Corporation.
Ch. 41 Twin Falls, ID. Mountain TV Network, Inc.
Ch. 68 Lafayette, LA. Adventures In Media.


BE-TV Charges "Hostile Takeover" By Uplink Provider

At noon on May 6, the programming of LPTV network, BE-TV, was suddenly preempted by its uplink provider, Teleport Denver, and replaced by the American Family Entertainment Network. Teleport Denver is a partial owner of American Family Entertainment Network.

According to Bob Barton, president of BE-TV, American Family has emulated BE-TV "to the nth degree." Barton said it appears to him that American Family Entertainment is using BE-TV tapes with the logos edited out. In a memo to BE-TV affiliates, Barton called the incident a "hostile takeover" by American Family. Earl Marshall, manager of satellite sales

for American Family Entertainment, denies that the programming is BE-TV's, even though the format is similar. Both networks are claiming ownership of the programming tapes, most of which are films in the public domain.

Marshall acknowledged the preemption but declined to give a reason. Barton did volunteer that BE-TV owes money to Teleport Denver.

BE-TV was resurrected on May 11 as WBE, a satellite network billing itself as "a World of Better Entertainment." WBE is now being relayed 12 hours a day from Spacenet 1, channel 24v, 120° west. 

Ch. 45 Grand Forks, ND. Impact Television Group, Inc.

Ch. 49 Grand Forks, ND. Anthony Easton.
Ch. 20 Omaha, NE. Joseph Alfred Smith.
Ch. 65 Omaha, NE. K. Sandoval Burke.
Ch. 33 Arecibo, PR. Miguel Rivera.
Ch. 67 Mayaguez/Anasco, PR. Evelyn Rivera.
Ch. 54 Providence, RI. Assal Broadcasting Company.
Ch. 19 Dallas, TX. Jeff Markowitz.
Ch. 16 Killeen, TX. Agustin Torres, Jr.
Ch. 66 Suffolk, VA. WAVY Television, Inc.
Ch. 39 Moses Lake, WA. Melvin L. Kimmel.

PROPOSED CONSTRUCTION PERMITS

The following LPTV and TV translator applications have been accepted for filing and are not mutually exclusive with any other pending applications. If no petitions to deny these applications are filed, they will be granted. The proposed construction permits were released May 13, 1992.

New Stations

Ch. 41 Anchorage, AK. GreenTV Corporation.
Ch. 18 Fairbanks, AK. GreenTV Corporation.
Ch. 8 Glennallen, AK. Paul Kildal.
Ch. 5 Juneau/Douglas, AK. Channel 5, Juneau.
Ch. 11 Nome, AK. Keith Winslow.
Ch. 43 Decatur, AL. Charlie J. Ezell.
Ch. 30 Eufaula, AL. Samuel M. Mirms, Jr.
Ch. 65 Eufaula, AL. Paul John Crane, Sr.
Ch. 61 Montgomery, AL. David Collins.
Ch. 59 Russellville, AL. Unity Broadcasting, Inc.
Ch. 40 Batesville, AR. Gordon C. Liddy.
Ch. 57 Batesville, AR. Donald D. Lofdahl, Trust.
Ch. 61 Batesville, AR. Charles O. Keen.
Ch. 65 Batesville, AR. Jerry D. Foreman.
Ch. 61 Little Rock, AR. David Collins.
Ch. 32 Pine Bluff, AR. Sonlight Broadcasting Systems, Inc.
Ch. 54 Searcy, AR. Saint John Broadcasting, Inc.
Ch. 15 Springdale, AR. Pharis Broadcasting, Inc.
Ch. 49 Bullhead City, AZ. MW TV, Inc.
Ch. 59 Bullhead City/Riviera, AZ. People's Communications.
Ch. 39 Lake Havasu City, AZ. MW TV, Inc.
Ch. 41 Lake Havasu City, AZ. MW TV, Inc.
Ch. 28 Payson, AZ. Central State Communications.
Ch. 56 Phoenix, AZ. Simon, Inc.
Ch. 20 Bridgeport, CA. Bennett Kessler.
Ch. 65 Bridgeville/Swains Flat, CA. Fortuna Economic Development Corporation.
Ch. 31 California City, CA. John Phalen.
Ch. 21 Chico, CA. Sainte Limited.
Ch. 15 Crowley Lake/Long Valley, CA. Mono County Service Area #1.
Ch. 38 Crowley Lake/Long Valley, CA. Mono County Service Area #1.
Ch. 42 El Centro, CA. Valley TV 4.
Ch. 68 El Centro, CA. Valley TV 4.
Ch. 45 Freshwater, CA. California-Oregon Broadcasting, Inc.
Ch. 32 Independence, CA. Bennett Kessler.

Ch. 19 Indio, CA. Communications Programming Agency.

Ch. 19 Lompoc, CA. Eduardo & Rosa Maria Caballero.
Ch. 42 Morro Bay, CA. Central Coast Good News, Inc.
Ch. 65 Riverside, CA. Louis Martinez.
Ch. 21 Santa Barbara, CA. Costa Del Oro Television, Inc.
Ch. 38 Santa Monica, CA. Atrium Broadcasting Company.
Ch. 51 South Eureka/Loleta, CA. California-Oregon Broadcasting, Inc.
Ch. 41 Del Norte/South Fork, CO. South Fork TV Association.
Ch. 16 Grand Junction, CO. Victory Communications, Inc.
Ch. 45 Pueblo, CO. Beta Broadcasting, Inc.
Ch. 48 Sapinero, CO. Gunnison County Metropolitan Recreation District.
Ch. 23 Sweetwater Creek, CO. Garfield County.
Ch. 21 Deland, FL. Thomas David Kemp.
Ch. 18 Fort Myers, FL. American Coastal TV Network, Inc.
Ch. 60 Jacksonville, FL. Valuevision International, Inc.
Ch. 21 Pompano Beach, FL. Gerald Cohen.
Ch. 47 Sarasota, FL. American Coastal TV Network, Inc.
Ch. 59 Tallahassee, FL. David Chew.
Ch. 67 Tallahassee, FL. David Collins.
Ch. 36 Augusta, GA. Dove Broadcasting, Inc.
Ch. 2 Camilla, GA. Mitchell County Television.
Ch. 18 Eastman, GA. Carl L. Gillis, Jr.
Ch. 19 McRae, GA. Carl L. Gillis, Jr.
Ch. 61 Metter, GA. Carl L. Gillis, Jr.
Ch. 33 Swainsboro, GA. Carl L. Gillis, Jr.
Ch. 64 Kaim, HI. Mountain TV Network, Inc.
Ch. 25 Lahaina, HI. Family Entertainment Network, Inc.
Ch. 33 Lahaina, HI. Family Entertainment Network, Inc.
Ch. 43 Lahaina, HI. Family Entertainment Network, Inc.
Ch. 54 Lahaina, HI. Family Entertainment Network.
Ch. 38 Cedar Rapids, IA. Lasandra Morrow.
Ch. 34 Dubuque, IA. R. B. Sheldahl.
Ch. 20 Mason City, IA. Douglas Sheldahl.
Ch. 35 Sioux City, IA. Independent Communications, Inc.
Ch. 38 Sioux City, IA. Douglas Sheldahl.
Ch. 14 Boise, ID. Jose Rodriguez.
Ch. 4 Challis, ID. Ambassador Media Corporation.
Ch. 31 Coolin, ID. Priest Lake Translator District.
Ch. 51 Coolin, ID. Priest Lake Translator District.
Ch. 18 Hailey, ID. Ida Tours, Inc.
Ch. 23 Malta, ID. State Board of Education.
Ch. 52 Montpelier, ID. Bear Lake County TV District.
Ch. 54 Montpelier, ID. Bear Lake County TV District.
Ch. 61 Pocatello, ID. The Post Company.
Ch. 21 Champaign, IL. Yoneide Dinsey.

- Ch. 63 Champaign/Urbana, IL. Specchio Developers, Ltd.
 Ch. 24 Flora, IL. H & R Communications, Inc.
 Ch. 25 Freeport, IL. All American TV, Inc.
 Ch. 40 Quincy, IL. Three Angels Broadcasting Network.
 Ch. 13 Washington, IL. HSN Broadcasting LPTV, Inc.
 Ch. 11 Evansville, IN. Randolph Victor Bell.
 Ch. 49 Fort Wayne, IN. David Collins.
 Ch. 19 Caney, KS. Halina Van Voorhis.
 Ch. 21 Caney, KS. Halina Van Voorhis.
 Ch. 25 Caney, KS. Halina Van Voorhis.
 Ch. 29 Caney, KS. Halina Van Voorhis.
 Ch. 54 Caney, KS. Halina Van Voorhis.
 Ch. 56 Caney, KS. Irvin L. Boeskool Money Purchase, PT.
 Ch. 58 Caney, KS. D.J. Standley.
 Ch. 62 Caney, KS. Audrey B. Tellefsen.
 Ch. 64 Caney, KS. Neil M. & Jean L. Cusick.
 Ch. 36 Kiowa, KS. Becker Broadcast Systems.
 Ch. 15 Manhattan, KS. Montgomery Publications, Inc.
 Ch. 53 Wichita/Hutchinson, KS. River City Broadcasting Corporation.
 Ch. 24 Corbin, KY. Miiton D. & Diana Lynn Stark.
 Ch. 64 Corbin, KY. Brewer Family Trust.
 Ch. 15 Mayfield, KY. Dr. David L. Grimes.
 Ch. 19 Alexandria, LA. Inspiration TV of Southern Oregon, Inc.
 Ch. 59 Alexandria/Pineville, LA. R.J.V. Broadcasting, Inc.
 Ch. 51 Lakes Charles, LA. National Minority TV, Inc.
 Ch. 27 Monroe, LA. Victory Communications, Inc.
 Ch. 4 Ocean City, MD. Ocean 4 Broadcasting Association.
 Ch. 10 Ocean City, MD. Ocean City TV Associates.
 Ch. 11 Ocean City, MD. Ocean 11 Broadcasting Association.
 Ch. 22 Ocean City, MD. Ocean 22 Broadcasting Association.
 Ch. 60 Ocean City, MD. Ocean 60 Broadcasting Association.
 Ch. 69 Ocean City, MD. Ocean 69 Broadcasting Association.
 Ch. 38 Salisbury, MD. Salisbury Educational Broadcasting Foundation.
 Ch. 21 Farmington, ME. Craig Ministries, Inc.
 Ch. 21 Machias, ME. Craig Ministries, Inc.
 Ch. 17 Madwaska, ME. Craig Ministries, Inc.
 Ch. 20 Portland, ME. Robert H. Ruark.
 Ch. 22 Portland, ME. Robert H. Ruark.
 Ch. 62 Portland, ME. Robert H. Ruark.
 Ch. 22 Crystal, MI. Omnivision.
 Ch. 26 Crystal, MI. Omnivision.
 Ch. 51 Crystal, MI. Mid-Michigan Wireless.
 Ch. 55 Crystal, MI. Mid-Michigan Wireless.
 Ch. 68 Crystal, MI. Mid-Michigan Wireless.
 Ch. 67 Sault Sainte Marie, MI. Inspiration TV of Southern Oregon, Inc.
 Ch. 40 Traverse City, MI. GRK Productions Joint Venture.
 Ch. 50 Traverse City, MI. Mark Evans.
 Ch. 14 Breezy Point, MN. Lakes Broadcasting Group, Inc.
 Ch. 26 Ely, MN. Margie P. Reed.
 Ch. 56 Ely, MN. Jeanne A. Larson.
 Ch. 60 Ely, MN. Lyn R. Guin.
 Ch. 62 Ely, MN. Lyn R. Guin.
 Ch. 64 Ely, MN. Reed Boys Trust.
 Ch. 66 Ely, MN. Reed Boys Trust.
 Ch. 40 Hibbing, MN. Warren F. Mogel.
 Ch. 50 La Crescent, MN. White Eagle Partnership.
 Ch. 49 Morris, MN. Televue Systems of Minnesota.
 Ch. 5 Branson, MO. Lorianne Crook-Owens.
 Ch. 19 Branson, MO. New Life Evangelistic Center, Inc.
 Ch. 57 Eldridge/Lebanon, MO. Lawrence E. Burns.
 Ch. 63 Eldridge/Lebanon, MO. Lakewood Orthodontics, P.C.
 Ch. 65 Eldridge/Lebanon, MO. Robert Hitt & Monti R. Durham.
 Ch. 67 Eldridge/Lebanon, MO. Anthony J. Marra.
 Ch. 69 Eldridge/Lebanon, MO. Ann Miller.
 Ch. 36 Joplin, MO. New Life Evangelistic Center, Inc.
 Ch. 17 Scott City, MO. New Life Evangelistic Center, Inc.
 Ch. 56 Springfield, MO. New Life Evangelistic Center, Inc.
 Ch. 60 Springfield, MO. New Life Evangelistic Center, Inc.
 Ch. 16 Rota Island, MP. Guam Educational Telecommunications Corporation.
 Ch. 14 Saipan Island, MP. Guam Educational Telecommunications Corporation.
 Ch. 13 Grenada, MS. Dewey Sanford.
 Ch. 31 Hattiesburg, MS. Sonlight Broadcasting Systems, Inc.
 Ch. 20 Natchez, MS. Louis E. Jenkins, Jr.
 Ch. 54 Natchez, MS. Ellen Baragona.
 Ch. 64 Natchez, MS. Ellen Baragona.
 Ch. 45 Tupelo, MS. WTVA, Inc.
 Ch. 48 Arlee, MT. Salish Kootenai College.
 Ch. 20 Belgrade, MT. Big Horn Communications, Inc.
 Ch. 29 Florence, MT. Bitterroot Valley Public Television.
 Ch. 45 Hot Springs, MT. Hot Springs TV District.
 Ch. 42 Libby, MT. Flathead Valley Community.
 Ch. 2 Seeley Lake, MT. Eagle Communications, Inc.
 Ch. 25 Asheville, NC. Carolina Christian Broadcasting, Inc.
 Ch. 53 Chapel Hill, NC. University Broadcasting Company.
 Ch. 22 Elizabeth City, NC. WAVY Television, Inc.
 Ch. 53 Fayetteville, NC. Tri-State Christian TV, Inc.
 Ch. 54 Greenville, NC. Tri-State Christian TV, Inc.
 Ch. 46 Jacksonville, NC. Local Television Association, Inc.
 Ch. 52 Lumberton, NC. Tri-State Christian TV, Inc.
 Ch. 63 Raleigh, NC. Jeffrey L. Hamilton.
 Ch. 32 Reidsville, NC. Community Broadcasting Systems, Inc.
 Ch. 55 Williamston, NC. Free Temple Ministries, Inc.
 Ch. 35 Fargo, ND. R. B. Sheldahl.
 Ch. 38 Garland, NE. J. Lewis Warren.
 Ch. 40 Garland, NE. J. Lewis Warren.
 Ch. 60 Garlalo, NE. J. Lewis Warren.
 Ch. 56 Grand Island, NE. Hall County.
 Ch. 62 Grand Island, NE. Hall County.
 Ch. 18 Omaha, NE. Pappas Telecasting of the Midlands.
 Ch. 14 Superior, NE. Robert E. & Rosalie T. Dettle.
 Ch. 33 Superior, NE. Stephen Van Voorhis.
 Ch. 38 Superior, NE. Stephen Van Voorhis.
 Ch. 31 Caballo, NM. KGSW-TV, Inc.
 Ch. 55 Datil, NM. Regents of the University of New Mexico- Albuquerque.
 Ch. 26 Raton, NM. KOB-TV, Inc.
 Ch. 26 San Jon, NM. Marsh Media, Inc.
 Ch. 30 San Jon, NM. KFDA TV.
 Ch. 26 Santa Fe, NM. Regents of the University of New Mexico- Albuquerque.
 Ch. 39 Santa Fe, NM. Regents of the University of New Mexico- Albuquerque.
 Ch. 49 Taos, NM. Mountain TV Network, Inc.
 Ch. 48 Tucumcari, NM. KGSW-TV, Inc.
 Ch. 2 Beowawe, NV. Eureka County Television District #2.
 Ch. 36 Beowawe, NV. Eureka County Television District #2.
 Ch. 41 Deeth, NV. Elko Television District.
 Ch. 59 Elko, NV. Elko Television District.
 Ch. 67 Elko, NV. Elko Television District.
 Ch. 13 Hawthorne, NV. Scott Becker.
 Ch. 31 Las Vegas, NV. Simon, Inc.
 Ch. 55 Las Vegas, NV. Mark Paretchan.
 Ch. 62 McDermitt, NV. Humboldt County Television District.
 Ch. 57 Mina/Luning, NV. Mineral Television District #1.
 Ch. 29 Reno, NV. Simon, Inc.
 Ch. 12 Buffalo, NY. Assal Broadcasting Company.
 Ch. 42 Corning, NY. Inspiration TV of Southern Oregon, Inc.
 Ch. 44 Ithaca, NY. R. B. Sheldahl.
 Ch. 20 Massena, NY. National Minority TV, Inc.

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Ch. 31 Oneonta, NY. Kevin O'Kane.
 Ch. 13 Rutland, NY. Renard Communications Corporation.
 Ch. 46 Saratoga Springs, NY. Victory Communications, Inc.
 Ch. 59 Syracuse, NY. National Minority TV, Inc.
 Ch. 60 Syracuse, NY. Craig L. Fox.
 Ch. 27 Utica, NY. Saul's Harbor Pentacostal Church.
 Ch. 22 Watertown, NY. Sonlight Broadcasting Systems, Inc.
 Ch. 60 Wilson, NY. Queen City Broadcasting of New York, Inc.
 Ch. 68 Wilson, NY. Queen City Broadcasting of New York, Inc.
 Ch. 43 Columbus, OH. WTVA, Inc.
 Ch. 66 Bartlesville, OK. Murphy D. Boughner.
 Ch. 17 Bessie, OK. Northfork TV Translator System.
 Ch. 20 Bessie, OK. Northfork TV Translator System.
 Ch. 22 Bessie, OK. Northfork TV Translator System.
 Ch. 56 Cherokee/Alva, OK. Shafer Translator, Inc.
 Ch. 58 Cherokee/Alva, OK. Shafer Translator, Inc.
 Ch. 61 Guymon, OK. Guymon TV Translator, Inc.
 Ch. 11 Oklahoma City, OK. Jose Rodriguez.
 Ch. 49 Seiling, OK. Shafer Translator, Inc.
 Ch. 51 Seiling, OK. Shafer Translator, Inc.
 Ch. 20 Tulsa, OK. Locke Supply Company.
 Ch. 49 Coos Bay, OR. A. B. Herman.
 Ch. 67 Coos Bay, OR. Better Life Television.
 Ch. 18 Cottage Grove, OR. South Lane Television, Inc.
 Ch. 20 Grants Pass, OR. A. B. Herman.
 Ch. 39 Klamath Falls, OR. A. B. Herman.
 Ch. 38 North Lapine, OR. Lapine TV, Inc.
 Ch. 57 Roseburg, OR. Better Life Television.
 Ch. 30 Rural Pendelton, OR. Columbia River Television, Inc.
 Ch. 61 Pittsburgh, PA. CW Partners.
 Ch. 32 Williamsport, PA. Joseph S. & Irene F. Gans.
 Ch. 50 Culbera, PR. Signal Television.
 Ch. 20 Culebra, PR. Claudio Matos.
 Ch. 24 Quebradillas, PR. Signal Television.
 Ch. 18 Anderson, SC. Inspiration TV of Southern Oregon, Inc.
 Ch. 40 Beaufort, SC. R. B. Sheldahl.
 Ch. 49 Charleston, SC. Julio Felix Izzo.
 Ch. 52 Kingstree, SC. James W. Owens.
 Ch. 52 Orangeburg, SC. Victory Communications, Inc.
 Ch. 14 Pierre, SD. Independent Communications, Inc.
 Ch. 27 Rapid City, SD. The Wesleyan Foundation of South Dakota, Inc.
 Ch. 31 Rapid City, SD. The Wesleyan Foundation of South Dakota, Inc.
 Ch. 60 Rapid City, SD. Rey Franco Perez.

Ch. 43 Vermillion, SD. Independent Communications, Inc.
 Ch. 26 Chattanooga, TN. Ellsworth McKee.
 Ch. 64 Kingsport, TN. All American TV, Inc.
 Ch. 22 Memphis, TN. Bert V. Groves, Jr.
 Ch. 45 Sevierville, TN. James W. Owens.
 Ch. 8 Southeast Memphis, TN. George S. Fiinn, Jr.
 Ch. 19 Brownfield, TX. Prime Time Christian Broadcasting.
 Ch. 56 Brownwood, TX. Sage Broadcasting Corporation.
 Ch. 24 Eagle Pass, TX. Joseph A. Zavaletta, M.D., P.A.
 Ch. 47 Lamesa, TX. Prime Time Christian Broadcasting, Inc.
 Ch. 7 Lubbock, TX. HSN Broadcasting LPTV, Inc.
 Ch. 9 Lubbock, TX. Jose Rodriguez.
 Ch. 16 Lubbock, TX. Lasandra Morrow.
 Ch. 62 Marshall, TX. Rey Franco Perez.
 Ch. 21 Orange/Beaumont, TX. Henry J. McGinnis.
 Ch. 64 Pecos, TX. Prime Time Christian Broadcasting.
 Ch. 55 Raymondville, TX. Alma L. Rodriguez.
 Ch. 58 Rio Grande City, TX. Joseph A. Zavaletta, M.D., P.A.
 Ch. 31 San Angelo, TX. Ned M. Moritz.
 Ch. 41 San Angelo, TX. Ned M. Moritz.
 Ch. 49 San Angelo, TX. Robert A. Hetherington.
 Ch. 51 San Angelo, TX. Robert A. Hetherington.
 Ch. 61 San Angelo, TX. Robert A. Hetherington.
 Ch. 21 San Antonio, TX. Ruben Azariahu.
 Ch. 25 San Antonio, TX. Corali Ortiz.
 Ch. 54 San Antonio, TX. Valuevision International, Inc.
 Ch. 26 Snyder, TX. Prime Time Christian Broadcasting.
 Ch. 53 Temple, TX. National Minority TV, Inc.
 Ch. 30 Texarkana, TX. Sonlight Broadcasting Systems, Inc.
 Ch. 2 Uvalde, TX. American Translator Development, Inc.
 Ch. 59 Uvalde, TX. Tom Winkle Radio & TV Service.
 Ch. 26 Beaver, UT. University of Utah.
 Ch. 6 Bluff, UT. San Juan County.
 Ch. 26 Coalville, UT. Summit County.
 Ch. 52 Fillmore, UT. Millard County.
 Ch. 9 Fish Lake Resort, UT. Sevier County.
 Ch. 11 Fish Lake Resort, UT. Sevier County.
 Ch. 64 Hanksville, UT. County of Wayne.
 Ch. 21 Heber City, UT. American Television of Utah, Inc.
 Ch. 38 Heber/Midway, UT. Wasatch County Commissioners.
 Ch. 20 Juab, UT. University of Utah.
 Ch. 22 Juab, UT. Millard County.
 Ch. 20 Kanab, UT. Western Kane County Special Service District.
 Ch. 23 Kanab, UT. University of Utah.

Ch. 10 Leamington, UT. Millard County.
 Ch. 12 Leamington, UT. Millard County.
 Ch. 50 Leamington, UT. Millard County.
 Ch. 2 Montezuma Creek/Aneth, UT. San Juan County.
 Ch. 5 Montezuma Creek/Aneth, UT. San Juan County.
 Ch. 11 Navajo Mountain, UT. San Juan County.
 Ch. 13 Navajo Mountain, UT. San Juan County.
 Ch. 34 Provo, UT. Inspiration TV of Southern Oregon, Inc.
 Ch. 23 Roosevelt, UT. Duchesne County.
 Ch. 43 Rural Garfield County, UT. University of Utah.
 Ch. 29 Rural Sevier County, UT. Sevier County.
 Ch. 31 Rural Sevier County, UT. Sevier County.
 Ch. 33 Rural Sevier County, UT. Sevier County.
 Ch. 17 Rural Summit County, UT. Summit County.
 Ch. 16 Rural Uintah County, UT. University of Utah.
 Ch. 65 Chase City, VA. TV Broadcasters of Central Virginia.
 Ch. 18 Danville, VA. Tri-State Christian TV, Inc.
 Ch. 52 Farmville, VA. TV Broadcasters of Central Virginia.
 Ch. 28 Harrisonburg, VA. Virginia Broadcasting Corporation.
 Ch. 36 Mappsville, VA. WAVY Television, Inc.
 Ch. 45 Saint Croix, VI. Walter L. Bush, Jr.
 Ch. 47 Saint Croix, VI. Walter L. Bush, Jr.
 Ch. 49 Saint Croix, VI. Walter L. Bush, Jr.
 Ch. 51 Saint Croix, VI. Walter L. Bush, Jr.
 Ch. 53 Saint Croix, VI. Walter L. Bush, Jr.
 Ch. 25 Monkton, VT. Northeast New York Public Telecommunications Council, Inc.
 Ch. 61 Rutland, VT. E. Nicholas Sanguinetti.
 Ch. 60 South Newport, VT. Vermont Wireless Cooperative.
 Ch. 62 South Newport, VT. Vermont Wireless Cooperative.
 Ch. 64 South Newport, VT. Vermont Wireless Cooperative.
 Ch. 66 South Newport, VT. Vermont Wireless Cooperative.
 Ch. 68 South Newport, VT. Vermont Wireless Cooperative.
 Ch. 4 Pasco/Kennewick, WA. Ron Bevins.
 Ch. 62 Pasco/Kennewick, WA. Ron Bevins.
 Ch. 31 Point Roberts, WA. Concorde Ventures, Ltd.
 Ch. 16 Spokane, WA. David Collins.
 Ch. 8 Sunnyside/Grandview, WA. Ron Bevins.
 Ch. 48 Green Bay, WI. Alvin Wheeler, Jr.
 Ch. 51 Green Bay, WI. HSN Broadcasting LPTV, Inc.
 Ch. 44 La Crosse, WI. Douglas Sheldahl.
 Ch. 2 Minoqua, WI. Ronald Laverne Myers.
 Ch. 18 Beckley, WV. Sonlight Broadcasting Systems, Inc.
 Ch. 36 Bigelow Bench Area, WY. Daggett County Television Department.
 Ch. 39 Cheyenne, WY. Robert R. Rule.
 Ch. 63 Laramie, WY. Robert R. Rule.

Modifications

W34BI Ch. 34 Birmingham, AL. Eddie L. Whitehead.
 W53AZ Ch. 51 Birmingham, AL. All American TV, Inc.
 W29BB Ch. 41 Dothan, AL. Trinity Broadcasting Network.
 W64BJ Ch. 64 Huntsville, AL. Trinity Broadcasting Network.
 W27BH Ch. 27 Mobile, AL. Christian Brotherhood Broadcasting.
 W06BH Ch. 6 Phenix City, AL. Greene Communications, Inc.
 K13UW Ch. 13 Little Rock, AR. Jim C. Cowsert.
 K20CZ Ch. 20 Bullhead City, AZ. Trinity Broadcasting Network.
 K56DX Ch. 56 Meadview, AZ. Mohave County Board of Supervisors.
 K33BY Ch. 33 Bakersfield, CA. Sterling Recreation Organization Company.
 K61FI Ch. 61 Modesto, CA. Daniel Gerald Martinez.
 K69FX Ch. 69 Monterey, CA. Peninsula Communications, Inc.

A. B. Herman Dies

Founded LPTV Network in Pacific Northwest

Alfred Barker Herman, owner of five LPTV stations in Oregon and Washington, died of a heart attack March 28 in his Portland, OR home. He was 57.

Herman purchased his first antenna site and tower in 1972. He founded the SMR Network (Specialty Mobile Radio), which serves the Pacific Northwest, six years ago and began building his community television network in 1989. The stations — K56EI and K62DV in Portland, OR; K18DW in Redmond/Prineville, OR;



K41DF in Eugene, OR; and K19CT in Cammus, WA — are now being run by his son, Gregory.

For the past 27 years, Herman also owned and operated Port Services Company, which details and services imported cars when they arrive in port. He was a very early member of the American Mobile Telecommunications Association, a member of the National Association of Business Education and Radio and the Community Broadcasters Association, and a lifelong ham radio operator.

Survivors include his wife Helen, sons David and Gregory, father Alfred J. Herman, and a brother, John H., all from Portland, and one grandson. CBP

K23CQ Ch. 24 Oxnard, CA. Laurence Windsor.
 K55CC Ch. 27 Ridgecrest, CA. Trinity Broadcasting Network.
 K49DD Ch. 49 Sacramento, CA. Kidd Communications.
 K30BI Ch. 30 San Francisco, CA. Channel America LPTV Holdings, Inc.
 K35DE Ch. 35 Yreka, CA. Northern California Educational TV Association, Inc.
 K16CM Ch. 16 Aurora, CO. J. B. Van De Sande.
 K10IE Ch. 35 Estes Park, CO. Translator TV, Inc.
 K12IV Ch. 38 Estes Park, CO. Translator TV, Inc.
 K53AC Ch. 47 Estes Park, CO. Translator TV, Inc.
 K48CU Ch. 48 Pueblo, CO. Full Gospel Outreach, Inc.
 K60BK Ch. 60 Wray, CO. Region 1 Translator Association.
 K62BG Ch. 62 Wray, CO. Region 1 Translator Association.
 K64BF Ch. 64 Wray, CO. Region 1 Translator Association.
 W58BR Ch. 58 Washington, DC. Lura S. Madarang.
 W55BT Ch. 55 Talleyville, DE. William E. Mattis, Jr.
 W43BD Ch. 43 MacClenny/Baldwin, FL. Henry J. McGinnis.
 W46BM Ch. 62 Melbourne, FL. Treasure Coast Educational Broadcasting, Inc.
 W41BF Ch. 41 Miami, FL. Sherjan Broadcasting Company, Inc.
 W12CN Ch. 12 Pensacola, FL. Vernon Warson.
 W34AW Ch. 34 Sarasota, FL. WVJ-TV, Inc.
 W42AO Ch. 42 Athens/Watkinsville, GA. Georgia Regional Community TV.
 W66BH Ch. 19 Luella, GA. Trinity Broadcasting Network.
 K61FE Ch. 61 Wailuku, HI. Susan Durch.
 K52BH Ch. 52 Ames, IA. TV-52, Inc.
 K35CF Ch. 35 Des Moines, IA. R. B. Sheldahl.
 K36CF Ch. 23 Iowa City, IA. R. B. Sheldahl.
 K12NZ Ch. 12 Idaho Falls, ID. Ambassador Media Corporation.
 W57BS Ch. 57 Alton, IL. Principia College Communications.
 W04CQ Ch. 4 Chesterton, IN. Wingfield Livingston Chubb.
 W63BT Ch. 63 Evansville, IN. Dunn Broadcasting Company.
 W09BV Ch. 9 Fort Wayne, IN. Dennis W. Wallace.
 W69CF Ch. 60 Greenville, KY. Charles R. Lewis.
 W62BM Ch. 62 Louisville, KY. Greater Louisville Broadcasting Company.
 W42BM Ch. 42 Owensboro, KY. Douglas Sheldahl.
 W18AM Ch. 18 Paducah, KY. Dr. David L. Grimes.
 K07UJ Ch. 7 Baton Rouge, LA. Jeanne Conrad.
 K11SY Ch. 30 Houma, LA. Great Oaks Broadcasting Corporation.
 K62DW Ch. 62 Lafayette, LA. Delta Management Corporation.
 W36BD Ch. 33 Detroit, MI. Telethon Television Company, Inc.
 W48AV Ch. 48 Detroit, MI. Glenn R. & Karin A. Plummer.
 W25BI Ch. 25 Grand Rapids, MI. Donald Crandall.
 K43DH Ch. 43 Austin, MN. Teleview Systems of Minnesota.
 K32DH Ch. 32 Ely, MN. M.I.R.A. TV.
 K38DH Ch. 38 Ely, MN. M.I.R.A. TV.
 K47DY Ch. 47 Morris, MN. Teleview Systems of Minnesota.
 K20AD Ch. 29 Worthington, MN. Hubbard Broadcasting, Inc.
 K35CT Ch. 35 Kansas City, MO. Triangle Television Company, Inc.
 K15CZ Ch. 15 Springfield, MO. Nancy M. Kuni.
 W25AD Ch. 25 Columbus, MS. Trinity Broadcasting Network.
 W25BA Ch. 25 Grenada, MS. Trinity Broadcasting Network.
 K26DE Ch. 26 Bozeman, MT. KXLF Communications, Inc.
 K21CR Ch. 21 Choteau, MT. Choteau School District #1.
 K10FI Ch. 21 Helena, MT. KFBB Corporation.

K25EJ Ch. 25 Helena, MT. KXLF Communications, Inc.
 W57BQ Ch. 57 Apex, NC. Victory Television Network.
 W28AC Ch. 28 Charlotte, NC. Michael B. Gliner.
 W64AZ Ch. 64 Kinston/Greenville, NC. Local Television Associates, Inc.
 W07CN Ch. 7 Lumberton/Pembroke, NC. Billy Ray Locklear.
 W14AU Ch. 14 Reidsville, NC. Community Broadcasting Systems, Inc.
 W35AR Ch. 35 Smithfield, NC. Waters & Brock Communications, Inc.
 W28AO Ch. 28 Spruce Pine, NC. University of North Carolina.
 W51AX Ch. 51 Washington, NC. Local Television Associates, Inc.
 W10BZ Ch. 10 Wilmington, NC. Edward J. Bolton.
 K22CX Ch. 22 Lincoln, NE. Joseph C. Amaturio.

W44AW Ch. 44 Morristown, NJ. Zenon Reynarowch.
 K57EB Ch. 57 Bloomfield, NM. KOB-TV, Inc.
 K49BY Ch. 49 Clovis, NM. New Mexico Broadcasting Company, Inc.
 K18CT Ch. 18 Raton, NM. Trinity Broadcasting Network.
 K62AL Ch. 62 Roswell, NM. Pulitzer Broadcasting Company.
 K25AK Ch. 25 Fallon, NV. Fallon Community Television, Inc.
 K66AG Ch. 67 Golconda, NV. Humboldt County.
 K39CX Ch. 39 Imlay, NV. Humboldt County TV District.
 K25DG Ch. 25 Lake Tahoe, NV. John E. Bloemer.
 K53DG Ch. 53 Laughlin, NV. Clark County School District.
 K59EG Ch. 58 Mina/Luning, NV. Mineral Television District #1.

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 K81AN Ch. 64 Cherokee/Alva, OK. Universal Cable Communications, Inc.
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K18DB Ch. 15 Newport, OR. Columbia River Television, Inc.
 K27DO Ch. 27 Redmond, OR. Columbia River Television, Inc.
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