The LPTV Report

News and Strategies for Community Television Broadcasting

Vol. 6, Issue 9

September 1991



TV 50's Home Team: (I to r) John Badenhop, weatherman; Steve Nelson, news director; Jane Imbody, news

Ohio Community Station Finds Its Niche In News

-by Jacquelyn Biel

LPTV Report P.O. Box 25510 Milwaukee, Wisconsin 53225-0510 cal — is the key to success for Gunther Meisse's W50BE, which serves some 300,000 residents in a six-county area surrounding the city of Mansfield in central Ohio

Like several other community television stations in the country, TV 50 has carved out profits and built a loval viewership in a market saturated with broadcast and cable programming by airing hourly "news wheels," including seven hours daily of locally produced news.

News - international, national, and lo-

TV 50, which signed on in May 1990,

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WorldRadioHistory

The LPTV Newsroom **Newscast Know-How** For The 90's

-by Jim West

Journalism has been defined as "the ability to meet the challenge of filling space." Borrowing the analogy, we might say that electronic journalism is the ability to meet the challenge of filling time. And the person whose job it is to fill that time is a producer.

That may be a simplistic view of broadcast news. But there are days in the newsroom when it takes all one can find, borrow, or plagiarize to fill the vast news hole. Conversely, there are days when deciding what to keep and what to throw out becomes a sophisticated "Beat the Clock" game.

A producer is much like a midwife. The producer is the key figure behind the scene of a newscast - molding, building, encouraging, supporting, critiquing and finally helping deliver the "baby," while on the air others receive all the credit. At major market stations, a producer may supervise an extensive staff of assistants: writers, associate producers, production aides, editors, and the like. In smaller markets, and no doubt in many LPTV newsrooms, the producer will likely be working alone with the anchor, and often the two are one.

Successful producing is based on several principles:

- Having a well-developed concept for
- Putting as much of your graphics support as possible "in the can" ahead of time:

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In Our View

Recently, I received this letter from a reader, owner of K56DP in Houston, TX.

Dear Ms. Biel:

I have just received the July LPTV Report and I read the article about Channel 10 in Ethridge, Tennessee, I am surprised to see The LPTV Report with a front cover article about this station. In the current climate of projected HDTV channel displacements and the need to be considered in important subjects such as cable carriage and call sign compatibility, LPTV stations need as much professional credibility and political support as possible.

The owner of channel 10, in my opinion, has characterized her station, and LPTV stations in general, as nutty little low-budget hobby projects with no potential of advertising and no need for competitive professionalism. In her interview on "The Johnny Carson Show," she presented a video clip of a bus report with extremely low production quality in which the announcer was wearing a construction hard-hat with a toy bus glued to the top of it. ...I feel that the nationally broadcast network interview on that show made a laughing-stock of the LPTV business.

... I feel that the article about "Granny's Network" is an affront to those of us in the LPTV business who are trying hard to make it an accepted, competitive, and credible business.

Robert W. Fisher President, Third Coast Broadcasting K56DP, Houston, TX

Mr. Fisher brings up some important issues, which is why I wanted to use this month's column to discuss them - and possibly to offer another point of view.

No one can argue with Mr. Fisher's concern that our stations are run professionally, with attention to the quality of both signal and programming. Every industry needs standards by which to measure itself if it is to grow.

And certainly no one of us wishes to be regarded as inferior. In fact, the CBA's present Petition for Rule Making seeks among other things to change the terminology for certain types of LPTV stations from "low-power" to "community" television stations for no other reason than to avoid the negative connotations of the word "low," connotations that unfairly diminish our stations in the eyes of the public and our advertisers.

There is also a perception among some equipment and programming suppliers that we'll take anything as long as it's cheap — free is even better. I think it is a mistaken perception; most of us are good business people - cost-conscious, not stingy. (And there is, of course, the problem program suppliers have of how to sell to us!) But unfortunately the perception implies that we are not concerned with serving our viewers well.

We have hurt ourselves too. Many early LPTV applicants, inexperienced in broadcast engineering, hired incompetent (or downright dishonest) consultants who left them years later with such poorly engineered antenna sites that the signals can't even reach the community of license. And many CP holders, finding investment capital scarce, have had to resort to buying inferior equipment, not enough equipment, or sometimes no equipment at all. (John Battison's frequent columns on the need to invest in basic test equipment are a response to

I agree, Mr. Fisher. We don't need to give our industry a poorer image than it already has. And there is no doubt that some of our competitors would just as soon we did just that.

But there is something else to consider something that I believe is more important than good pictures or sophisticated programs. It's providing local choices

The FCC's intent when it authorized our service was to further the public interest by bringing local television programming to

unserved and underserved communities across the country. The FCC did not specify what kind of local programming would serve the viewers best. And aside from transmission standards, it did not specify technical quality.

In that light, if Ms. Evetts airs a news report of "extremely low production quality" and her announcer wears "a construction hard-hat with a toy bus glued to the top of it," should we complain? The viewers in Ethridge approved. And if they should ever disapprove, Ms. Evetts will have to respond - compelled either by market pressures or, perhaps in Ethridge, by social pressures.

Ms. Evetts is airing programs that her viewers want to watch. Who are we in Milwaukee or Houston or New York City to say what the people of Ethridge should want to watch? The fact that they have the choice to watch local programming where they didn't have that choice before Sarah Evetts signed her station on the air is what I think the FCC really intended when it inaugurated the LPTV service.

With community television, viewers indeed have a chance to "take back the TV." Again and again, as these pages have shown, the stations that program for their communities are successful. All are different. But all are serving their communities. That, I think, is what's really important. That is the criterion upon which I decide to feature a station in this magazine.

Albie Fiel

703 Construction Permits To Be Awarded

On September 5, the FCC's LPTV Branch released the longest list in its history of proposed LPTV and TV translator construction permits. The list consists of 381 new station and 322 major change applications, all of which were filed in last spring's window.

Applications listed on a proposed grant list have been accepted for filing by the Commission and appear to be grant-

able. The Commission gives notice of its intent to grant construction permits so the public has a chance to file petitions to deny the grants. If no petitions to deny are filed within a 30-day comment period. construction permits are usually issued.

For a complete list of the proposed construction permits, see "...at the FCC" beginning on page 16. CBP

The LPTV Report

5235 North 124th Street, Butler, WI 53007 (414) 781-0188 FAX: (414) 781-5313

John Kompas: Publisher, Director of Sales & Marketing

Jacquelyn Biel: Associate Publisher & Editor Katie Reynolds: Account Executive John Scott Lewinski: Contributing Reporter Mary Lawler: Administrative Assistant

Columnists: John H. Battison, P.E., Peter Tannenwald, Joe Tilton

Guest Contributors: William G. Bakonyi, Mark Shepherd, Jim West

Advertising Sales:

Katie Reynolds

(414) 781-0188 FAX: (414) 781-5313 WorldRadioHistory

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LPTV and the LAW

-by Peter Tannenwald

What You Should Know About The New Kids' TV Rules

Last year, Congress ordered the FCC to adopt rules limiting the amount of commercial matter contained in children's television programming and requiring all television stations to broadcast programming meeting children's educational and informational needs. The FCC complied earlier this year, with rules made effective October 1, 1991 in most cases, and January 1, 1992, for barter contracts signed

before April 12, 1991.

While the new rules do not by their terms apply to LPTV, they may some day apply to stations that achieve community broadcasting status under rules that the CBA recently proposed to the FCC. Even if they never apply formally, citizens' groups may bring pressure to bear on LPTV stations that broadcast excessive commercial material in children's programs, or ignore children altogether.

The commercial limits also apply to cable television networks, so cable will not have an advantage over broadcasting in terms of avails in children's programs.

Commercial Limits

Commercial matter in programming produced and broadcast primarily for children age 12 and under is limited to 10½ minutes an hour on weekends and 12 minutes on weekdays.

Commercial matter is defined as "air time sold for the purpose of selling a product" or a service. The term is more narrowly defined for children's TV than it is under the sponsorship identification rules. For example, a paid public service announcement for a non-profit organization requires on-air identification of the sponsor but does not count against the commercial time limit in a children's program.

The time limit applies based on each clock hour; but if a station broadcasts an isolated children's program that is at least five minutes but less than an hour long, the limit is pro-rated. In other words, if you have a 15-minute children's program that is surrounded by adult programming, the weekday commercial limit for the children's program is only three minutes. The limit applies not only to the program itself but also to the commercial breaks before and after the program.

Programming for Children Required

TV stations must also broadcast programming to meet the "educational and informational" needs of children, defined as programming that serves children's "cognitive/intellectual or social/emotional" needs. For this purpose, children are any age under 16. The mandatory programming rule does not apply to cable networks.

A TV station may meet children's needs by broadcasting programming itself and by assisting other stations in doing so, including by contributing to public television stations. However, only broadcast



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television programming counts; a broadcaster gets no credit for contributing to cable programming or non-broadcast community activities. There is no minimum quantitative requirement. Each station may make its own decision based on the circumstances in its community and what kind and amount of children's programming is available from other sources.

However, every station must broadcast some children's programming itself. Short-segment programming, including vignettes and PSA's, may be counted but will not be sufficient by themselves to meet a station's obligations. Helping other stations enhances a station's position but is not enough by itself either.

Program-Length Commercials

Finally, the FCC's rules prohibit program-length commercials directed at children. Program-length commercials are programs built around a product or service that is for sale. A common example is a real estate program that consists entirely of descriptions of homes for sale, all paid for by real estate brokers.

These programs used to be illegal at all times, in the days when the quantity of commercial matter allowed per hour was limited; but with the removal of general commercial quantity restrictions in the 1980's, program-length commercials become legal. However, they are still illegal for programming directed toward children. A children's program must not contain any commercial message for a product associated with the program either during or adjacent to the program. Any such commercial must be separated from the program by intervening, unrelated program material. This means, for example, that Disney products may not be advertised during a Disney program, nor may "Teen-Age Mutant Ninja Turtles" toys be advertising during a Turtles program.

Host Selling

A related rule, which has been on the books for a long time, prohibits "host selling" of products to children. The host of a children's program (either a human or a cartoon host) should never appear in commercials advertising products related to the program. This rule does not apply to programming for adult audiences.

Record Keeping and Reporting

TV stations must keep written records of their compliance with the rules limiting commercials and requiring programming to meet children's needs. Formal program logs or tapes are not mandatory, but a station should be able to document the

Attention Program Suppliers

The LPTV Report will be publishing its "Sixth Annual Directory of Program Suppliers" to the community television industry in time for the NATPE International Convention in January.

This annual guide to programming has become an important reference for community television broadcasters — one that is kept and consulted year-round.

During October we'll be sending you a questionnaire. If you have product for the LPTV industry and would like a FREE listing in our "Directory," please return the questionnaire promptly.

If for any reason you do not receive a questionnaire but want to be included, please call Jackie Biel at (414) 781-0188. We'll make sure your company is listed. amount of commercial matter broadcast during each hour of its programming for children 12 and under. A station may accept a general certificate of compliance from a network whose programs it airs instead of keeping its own records of network programming.

TV stations must also keep records of the time, date, and duration of the programming they broadcast for children under age 16. Summaries must be placed at least once a year in the file that conventional stations have to make available for public inspection in their community of license. (The public file requirement does not apply to LPTV at this time but may apply to community television stations in the future.) Summaries must also be filed with the FCC at license renewal time every five years.

Enforcement

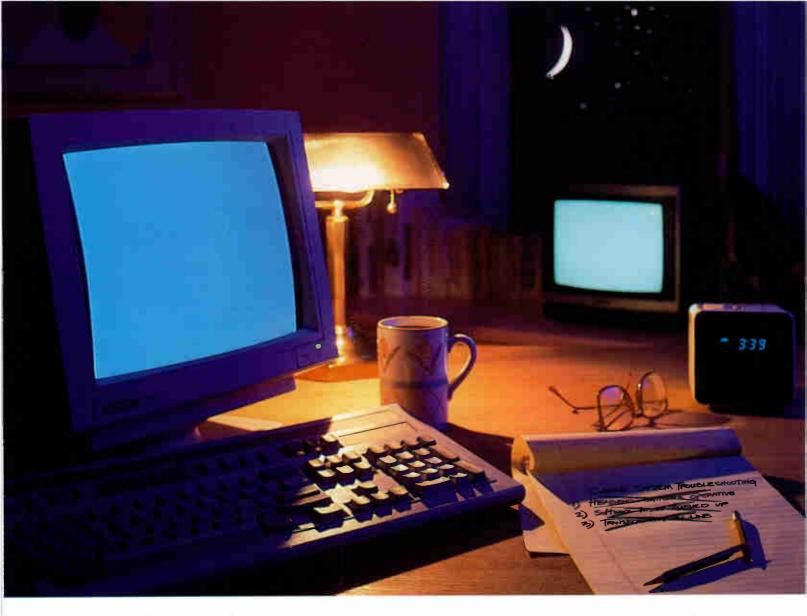
The FCC plans to use its full range of powers to enforce the children's television rules. It can hold hearings, impose forfeitures (which can now be as high as \$25,000 per violation for broadcasters), and revoke broadcast licenses.

It remains to be seen how vigorously the FCC enforces the rules, but its track record with EEO rules indicates that it can be extremely tough when it wants to be.

Even if LPTV stations are not formally subject to the rules, as I said earlier in this article, it may not be wise as a matter of community relations, to say nothing of the relationships our industry is building with Congress and the FCC, to ignore any rule pertaining to service to our nation's most valuable asset.

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.





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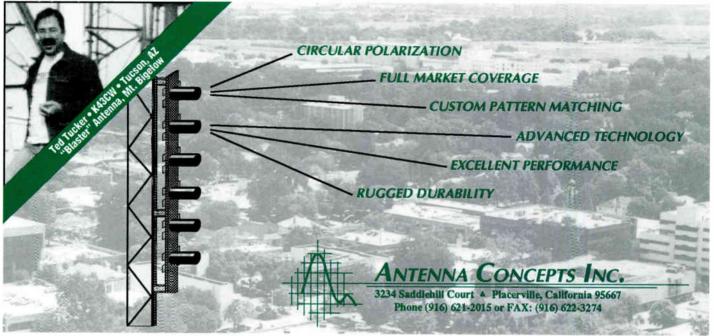
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What's Going On

- October 26-30, 1991. Society of Motion Picture and Television Engineers Annual Conference. Los Angeles. Contact: Ann Cocchia, (914) 761-1100.
- October 27-29, 1991. Third Annual EPM Entertainment Marketing Conference. Universal City Hilton & Towers, Los Angeles, CA. Contact: Riva Bennett, (718) 469-9330.
- October 27-30, 1991. Association of National Advertisers 82nd Annual Meeting & Business Conference. Phoenix, AZ. Contact: Cynthia Roberts, Meeting Manager, (212) 697-5950.
- November 6-8, 1991. 13th Annual Billboard Music Video Conference & Awards. Hotel Sofitel — Ma Maison, Los Angeles, CA. Contact: Melissa Subatch. (212) 536-5018.
- November 20-22, 1991. The Western Show, sponsored by the California Cable Television Association. Anaheim Convention Center, Anaheim, CA. Contact: (415) 428-2225.
- November 22, 1991. University Network (U•NET) Annual Affiliates Conference. Brown University, Providence, RI. Contact: (401) 863-2225.
- November 22-24, 1991. Fourth Annual National Conference of College Broadcasters, Annual Convention of the National Association of College Broadcasters (Trade Expo, November 23-24). Brown University, Providence, RI. Contact: (401) 863-2225.
- November 23-25, 1991. Community Broadcasters Association Fourth Annual LPTV Conference & Exposition. The Riviera, Las Vegas, NV. (1992 CBA Conference: November 20-22, also at The Riviera.) Contact: John Kompas, (414) 783-5977, or Eddie Barker, (800) 225-8183.
- December 11-13, 1991. Private Cable Show. Westin Resort, Hilton Head Island, SC. Contact: (713) 342-9655.
- January 8-10, 1992. Association of Independent Television Stations Annual Convention. San Francisco, CA. Contact: (202) 887-1970.
- January 20-24, 1992. NATPE International Annual Program Conference. New Orleans, LA. 1993 Conference, January 26-29, San Francisco, CA. Contact: Nick Orlanopoulos, Conference Director, (213) 282-8801.

- January 25-29, 1992. National Religious Broadcasters' 49th Annual Convention. Sheraton Washington Hotel, Washington, DC. Contact: E. Brandt Gustavson, Executive Director, (201) 428-5400.
- February 7-8, 1992. Society of Motion Picture and Television Engineers 26th Annual Television Conference. Tutorial on new computer technologies, February 6. Westin St. Francis, San Francisco, CA. Contact: Ann Cocchia, (914) 761-1100.
- February 18-19, 1992. Broadcast Cable Credit Association's 27th Credit & Collection Seminar. Town & Country Hotel, San Diego, CA. Contact: Mary A. Ghiselli, (708) 827-9330.
- February 29-March 2, 1992. ShowBiz Expo West. Los Angeles Convention Center. Contact: Live Time, Inc., (213) 668-1811.
- April 13-16, 1992. National Association of Broadcasters Annual Convention. Las Vegas, NV. 1993 Convention, April 19-22, Las Vegas. Contact: (202) 429-5356.
- April 22-24, 1992. Broadcast Cable Financial Management Association/Broadcast Cable Credit Association Annual Conference. The New York Hilton, New York City. 1993 Conference, April 28-30, Lake Buena Vista, FL. 1994 Conference, April 20-22, Town & Country Hotel, San Diego, CA. Contact: Cathy Lynch, (708) 296-0200.
- May 3-5, 1992. National Cable Television Association Annual Convention. Dallas, TX. 1993 Convention, June 6-9, San Francisco, CA. Contact: (202) 775-3669.
- September 9-12, 1992. National Association of Broadcasters Annual Radio Convention. New Orleans, LA. Contact: (202) 429-5356.
- September 23-26, 1992. Radio-Television News Directors Association Annual Convention. San Antonio, TX. Contact: (202) 659-6510.
- October 14-17, 1992. Society of Broadcast Engineers National Convention. San Jose, CA. Contact: (317) 842-0836.
- November 10-14, 1992. Society of Motion Picture and Television Engineers Annual Conference. Toronto. Contact: Ann Cocchia, (914) 761-1100.

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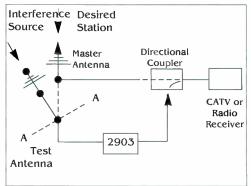
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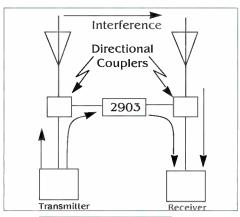
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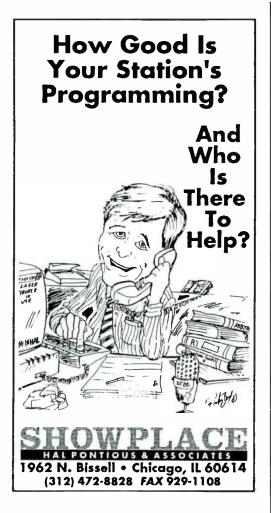
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Newscast Know-How

continued from front page

- Remaining flexible;
- Keeping it simple.

Let's look at each:

Get The Concept

So you want to do a half-hour local newscast. Fine.

And you've bought the plywood for the set

But slow down! Spend some time working on the concept before you launch into production.

First, ask yourself some penetrating questions. When should the program air? Am I counter-programming other newscasts? What niche can I fill? What can I offer that major market stations can't?

What is my audience? What do they want to see and know? What will they be doing at that time period? Will they be active and therefore have shorter attention spans (early evening), or will they be settled down and able to absorb meatier subjects (mid-to-late evening)?

Will I be offering news, sports and

weather? Will I have a live call-in portion? Will there be a talk-show flavor to the program? Will I have live guests in the studio? What are my news-gathering resources? What syndicated material do I have access to? What wire services? How much local material can I generate in one day?

When our CBS affiliate in Tampa, FL expanded the five o'clock news magazine to an hour a few years ago, we spent thousands of dollars in market research to determine what needs were not being met on local television news. We then tailored much of the expansion to those needs.

As we've mentioned in earlier articles, you can do research inexpensively using community college sociology students, telephone call-in polls, or newspaper surveys — or simply by talking with key community leaders and getting a feel for what they want before launching out. It may be that agricultural news and weather information is far more important to your viewers than state and national headlines.

Resources

Once you have a concept in mind, take a look at your resources. This doesn't always mean full-time staff. Resources may mean the free handouts from the USDA. It may mean part-time assistance from local high school students. It may mean college intern help. It may mean a critical look at your equipment and its news-gathering capability.

A half-hour news show (or one of any length, for that matter) looks formidable until you begin to format it. First of all, take out your commercial slots, then the tease and bumper time, then the toss and gabbing time. You might be surprised at how little you really have to fill.

Commercial time: (3) 2-minute breaks within the newscast plus (I):90 end break 7:30 Pre-open tease: :20 News open: :30 Tease to commercials (3): :30 Tosses to and from weather and sports: I:00 Lost time: 1:00 Total: 10:50 Content time needed: 19:10

As you can see, you may need to fill only two-thirds of the time with new daily material. And even much of that can become routine and "canned" — for example, fishing tables, stock and market reports, weather forecasts, and sports scores. In reality, only the numbers need to change. That leads us to our next point.

Can It

If you want to keep your budget low, you will have little opportunity for daily

graphics preparation. So spend a few dollars and create an attractive graphics package for the program, including open graphic backgrounds for sports, weather, and news.

You need not have a sophisticated graphics computer to look slick. Often you can take a freeze-frame from a story, put it on top of a graphics background, put a title super over it, and — voila! — you have a decent graphic. Some of the best news opens are scenes of your community, or of your talent interacting with people in the area.

Keep plenty of video in the can. Shoot a month's worth of weather video on one outing. Build a library of generic video of your area. Build a simple database of your stories, so that you can find a picture of the mayor when he or she dies. And if you subscribe to a syndicated news service, keep the non-dated features ("evergreens") in a stack with an intro script, ready to roll.

Also explore all the free news sources — state universities, government agencies, and the military. They all are resources for video. The more you can keep on hand, the less you will have to rely on your daily news-gathering crew.

Be Flexible

Newscasts rarely go as planned, and Murphy is no stranger to the newsroom. These days the film doesn't break, but tapes are mis-cued, tracking problems develop, equipment goes down. Any veteran anchor will be seen carrying a handful of wire copy into a studio because ... well, you never know.

Being flexible also means being creative. You probably won't have a live truck, so bring the "widow on the set." A one-on-one interview in the studio can be just as exciting and informative as one on remote. You might try giving it a "remote" look by placing the subject in front of a camera elsewhere in the studio, news-room, or building and asking the questions through a monitor. It works for "Nightline," and gives the interviewers some professional distance for better control of the subject.

Flexibility means using props. You may not have an electronic map of, say, the Middle East. Why not buy an oversized wall map and pointer? Dan Rather and others are finding that less sophisticated props tell the story as effectively as the expensive ones. During the first few weeks of the Persian Gulf War, Peter Jennings "walked" all over the Middle East on a map laid over a studio floor. It was a very effective prop for the ABC News special.

Keep It Simple

The same adage applies here as in so many other pursuits — K.I.S.S. — Keep it simple (stupid)!

More newscasts are ruined by a pro-

ducer's desire to try out yet one more feature on the switcher. Here are some suggestions.

- Avoid live pre-show teases with multiple tape sources. (Put it all on tape; it will look better anyway.)
- Avoid stacking taped segments too close together. (Remember how long it takes to eject and thread tapes.)
- Pre-record entire news segments. (Who says last night's sports scores need to be live? When is the last time you saw the CNN Headline News sports anchor?)
- Do you really need squeezed graphics over the shoulder? (How many mix/effects banks have you got anyway? Your talent is what you're selling.)
- Do you need to use chroma-key? (Except perhaps for your weather guru.)
- Can you really afford a teleprompter? (Heresy, you say, in these days. Look into a computerized system; it may save you money on personnel.)
- Put your commercials on spot reels (or your PSA's if you're just starting to build your list of sponsors).
- Fire the floor crew. (Why not invest in a simple remote control system with a fixed camera or two for relief shots?)
- Let technology work for you. (Seriously consider a small PC-based newsroom computer. It will make producing a pleasure instead of a pain.)

There are many nuances of producing with which you need not become familiar, unless you're going to be the producer! Someone with a radio news background or cable TV experience, a graduate from a college with a broadcasting curriculum, or even an eager self-starter can acquire the skills needed to produce.

While we've spoken mainly of technical considerations, remember that the first task of a newscast is to impart news fairly, accurately, and understandably.

Jim West is a veteran of 24 years in broadcast journalism. He writes frequently on news production.

Microwave Radio Lands \$1.4 Million Australian Deal

Microwave Radio Corporation has received two orders for point-to-point video microwave communications systems to serve parts of Australia, the company announced in mid-July.

Totalling \$1.4 million in 1991 alone, the orders from Prime TV and Southern Cross TV Networks are for multiple Model FLR/FLH Long-Haul Microwave Radio Communications Systems.

The systems are being used as part of a mandated government program to bring commercial television service to rural and isolated areas of Australia. They will connect a series of television translators and repeaters serving the State of Victoria.

Ohio's TV 50

continued from front page

broadcasts 24 hours a day from the center of Richmond County. Sixty miles to the northeast lies Cleveland. Columbus is the same distance to the south. And Toledo is 90 miles to the northwest. This puts TV 50 in the enviable position of being the only source of local broadcast television in the area.

On the other hand, a well-established series of Adelphia cable systems brings in network affiliates and independents from all three cities — as well as the usual collection of basic and premium channels. So there is also healthy competition for viewers.

Make Way, Mr. Turner

Meisse and TV 50 found their place in this competitive market by employing an all-news format.

Weekdays feature CONUS, the "All News Channel," the CNN competitor from Minnesota. CONUS provides a 30-minute national/international news wheel, with 5minute breaks for local news and weather at the end of each segment.

But the thrust of TV 50's programming is local. Every evening, from 5 p.m. to midnight, TV 50 broadcasts its own news

wheel, the 60-minute, 12-segment "Evening Journal," updated hourly.

"We use the same approach as Ted Turner and CNN," Meisse explained. "Instead of trying to act like another independent, we decided to go with straight news. It works because it lets viewers get their news when it's convenient for them."

In addition to the news, there are original news specials and public affairs programs aired between 7 and 8 p.m. on Mondays, Tuesdays, and Wednesdays. Dubbed TV 50's "Prime Time Originals," the features offer in-depth treatment of local issues and events.

Prime Time Originals

Monday features "50 Focus," a half-hour community public affairs show, hosted by TV 50's news director, Steve Nelson. This is followed by "Richland Business," also a half-hour program, in which host Doug Theaker interviews business leaders from the Richland County area. Both programs explore the details of news stories and events recently head-lined on TV 50.

Tuesday offers "SportsTalk," interviews with sports figures from Ohio's collegiate and professional sports teams. Hosted by sports anchor Mike Greene, and billed as

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an "hour-long give-and-take discussion for the serious sports fan," each show has a call-in segment that gives viewers a chance to quiz the athletes.

"Wildlife Adventure" is the Wednesday night offering, a live participatory program produced in conjunction with the Columbus Zoo. Targeted to families and children, "Wildlife Adventure" introduces viewers to the habits and habitats of the zoo's many creatures.

So far, Thursday and Friday nights are straight news wheels, but Meisse is developing new programming for those days, including some special shows for minorities

On weekends, TV 50 switches from "Evening Journal" to local high school sports. At 10 a.m. and 7 p.m. on both Saturday and Sunday, the station broadcasts a local football, basketball or other game with live play-by-play. The week's "Prime Time Originals" are repeated each day. And three times during the weekend, the "Mid-Ohio Home Show" gives viewers an inside look at homes for sale in the area.

Quality Is Important

Is the format successful? Yes, says Meisse, if revenues are any indication. After only sixteen months on the air, TV 50 has already achieved a positive cash flow. The station runs 14 minutes of ads per hour, producing the commercials inhouse.

"We are the community's only on-going source of local news," Meisse said. "That's our niche and the key to our success."

"Other stations might air movies or syndicated programs," he added. "But we chose not to play that game because to play it you have to have a lot of money just to be competitive."

According to Meisse, much of TV 50's success is also due to the quality of its production. "We've done a very professional job of setting everything up and of operating our format," he said. "There are three major network affiliates in both Cleveland and Columbus that we have to compete against on the cable systems. So we have to look good. Our editorial and production quality is very high, and so we're able to compete."

"We also worked hard at cultivating our relationships with the cable systems," Meisse added. TV 50 is carried on the first tier of all six of the area's Adelphia systems, which Meisse attributes to the quality of the programming he offers. That quality is borne out by the 70 local news awards the station has won in its sixteen months on the air.

Radio Staff, Facilities Help

One advantage that TV 50 enjoyed right from the start was its association with WVNO, a successful AM radio operation that Meisse started in the early 60's. The radio bankrolled TV 50's \$750,000 start-up budget, and the TV station shares staff and facilities with the radio. Accounting, traffic, continuity, and news are all shared. The news is produced only once, and the stories are used on both the TV and the radio.

Meisse did have to expand his quarters — from 8,000 to 16,000 square feet — mainly to accommodate the video equipment that TV 50 needed. He added two control rooms, two studios, a newsroom, a storage room, and an edit suite. And nine people joined the operation, raising the total staff for both the TV and the radio to 40.

S-VHS is the format of choice, comprising three JVC BRS611/811 systems — one in master control and production, another in news, and one in a separate suite. An Alamar MC 2028 automation system employs seven Panasonic AG7300 VTR's. Panasonic WV300's are the studio cameras

The production/on-air switcher is a Videotek Prodigy. Graphics are produced with a ProPaint 16 and an Amiga which is also used for weather graphics from Accu-Weather. A Sony DME-450 digital effects unit completes the production package.

Computer-Based News

One of Meisse's challenges was to produce five hours of local news daily — without straining his people or his equipment. To accomplish that, he chose a series of PC-based news production terminals linked by a Novell LAN operating system. A reporter can write a story on his or her terminal, bringing up wire services or archives on a split screen, if necessary. Once the stories are written, the news director pulls them together, stacks them, and then downloads them to teleprompters which can be operated individually by each newscaster on the air.

Meisse credits the hard work of his staff for the success of his community television venture. But he also recognizes the special nature of the community broadcasting industry itself.

"It's a great business. It serves a segment of viewers that's not served by the major operators in a market.

The bottom line is that the people in the community love it."

John Scott Lewinski contributed to this story.



Master control at TV 50, Mansfield, OH.

Spreading The Word

Turning Programs Into PR

-by Mark Shepherd

As a community broadcaster, you provide a service that everyone in town should know about.

In fact, you've probably thought — after a particularly successful local talk show, "Anyone who lives, votes, or pays taxes in this town should know what this guest said tonight."

But like most community broadcasters, you don't have the money to spread the word yourself.

What you need is a little good PR.

The Easy Way

The easiest way to get the word out is to let someone else do it for you. But that doesn't mean you have to pay someone to do it. Take the talk show. If you interview the mayor, a state representative, or almost anyone in the public eye, chances are that he or she said something that will interest many people, including many people who don't know your station exists.

How can you get others to spread the word? Start with a simple press release.

You're going to tell every media outlet in town what your interviewee said, and where he or she said it.

Why, you ask, would you give your best work away to another source? Isn't that helping the competition? To a certain extent, yes. But keep in mind, you have more to gain than your competition does.

Your press release should be very simple; in fact, the whole release should not exceed one page. It should include these elements:

- A name and phone number for someone at your station who can be called for more information.
 - A headline.
- The basics of the interview, including several quotes.
- A very brief paragraph about your station.

Keep Headlines Short

Your headline should be short, pointing out *one* of the most interesting things your guest said, and one that affects many people. For example:

Mayor Advocates
Doubling Property Taxes
Senator Wants Increase
For Medicare Patients

Your headlines may not always be so controversial. But the rules still hold.

In the body of your copy, talk about your headline topic. Mention the name of the program and your station's call letters or logo; and use a quote from your guest:

Senator Whatshisname plans to propose an increase in benefits for Medicare patients. Whatshisname spoke on TV 31's "Community Watch" Monday night. He said the rising cost of health care places an unfair burden on senior citizens.

"I believe there are people right here in River City who are going without basic health care because they can't afford it," Whatshisname said. "I want to change that."

In the next paragraph, you can touch on two or three other topics from the interview.

The final paragraph should talk about your station.

TV 31 is a community broadcasting station serving River City. It can be received by River City Cable viewers on channel 16. "Community Watch" airs live Monday nights at 8:30, and is rebroadcast on Fridays at noon.

Timing is Important

Either hand-deliver or fax the release to all the local TV and radio news departments, as well as to the newspaper, as soon as possible. It may lose news value if you wait even a few hours. Also fax a copy to the local offices of the wire services. Your press release may get lost in the shuffle at a TV or radio station, but often a wire story will get a second look, and be used during a news brief.

Television stations may even request a clip from your show. Don't hesitate to provide it, but request a courtesy acknowledgement for your station. Most stations will honor your request with a super that says something like "From TV 31" at the beginning of your clip.

When the local TV, radio, and newspapers do stories about things that were said on your community broadcasting station, people will begin to seek out your programs. Your station will also gain the respect of the other media in town.

And all it will cost you is the few minutes it takes for a little good PR.

Mark Shepherd is a television news producer in Oklahoma City.

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LPTV Distribution by State and Territory

August 27, 1991

	Licenses	CPs
ALABAMA	11	27
ALASKA	222	10
ARIZONA	30	33
ARKANSAS	10	30
CALIFORNIA	51	85
COLORADO	20	33
CONNECTICUT	2	5
DELAWARE	1	1
WASHINGTON, DC	2	0
FLORIDA	49	123
GEORGIA	20	31
HAWAII	3	33
IDAHO	20	25
ILLINOIS	12	36
INDIANA	16	24
IOWA	13	31
KANSAS	11	28
KENTUCKY	13	33
LOUISIANA	17	40
MAINE	8	16
MARYLAND	2	8
MASSACHUSETTS	8	14
MICHIGAN	12	24
MINNESOTA	48	38
MISSISSIPPI	12	21
MISSOURI	20	25
MONTANA	30	36
NEBRASKA	4	8
NEVADA	22	20
NEW HAMPSHIRE	3	4
NEW JERSEY	3	13
NEW MEXICO	16	34
NEW YORK	31	44
NORTH CAROLINA	13	31
NORTH DAKOTA	9	13
OHIO	23	45
OKLAHOMA	23	29
OREGON	25	30
PENNSYLVANIA	17	54
RHODE ISLAND	0	2
SOUTH CAROLINA	3	19
SOUTH DAKOTA	8	17
TENNESSEE	31	36
TEXAS	64	99
UTAH	22	6
VERMONT	1	8
VIRGINIA	9	23
WASHINGTON	17	23
WEST VIRGINIA	1	8
WISCONSIN	16	14
WYOMING	25	17
GUAM	1	0
PUERTO RICO	7	6
VIRGIN ISLANDS	1	2

TOTALS: Licenses: 1,058

Construction Permits: 1,415

Supplier Solo

MII Video Systems

A Cost-Effective Approach To Superior Video

—by William G. Bakonyi

Starting a new community television station is an expensive undertaking. And the temptation is to equip your production studio at the lowest possible cost. There's value in conserving capital dollars, of course. But when it comes to production equipment — including VTR's, cameras, and associated gear — a solid case can be made for spending just a bit more money in at least some applications

The fact is that there are at least two kinds of costs that you should consider when evaluating video systems — the initial cost and the cost of operation. While it's true that you can pop down to the local discount electronics store and get a pretty good home VCR for under \$200, clearly you wouldn't want to risk your business by relying on the performance of such a unit or on the discount electronics store's service department. In short, some equipment can be too cheap.

But, where to draw the line? First, let's look at the break-out of a typical VTR allocation in a community station. There tend to be three basic functions to which VTR's are applied: production, post-production, and playback.

Dubbing and Origination

In production, you typically have two types of operation: dubbing and origination. Dubbing is a fairly straightforward operation, the object of which is to generate copies of programs or commercials for use on-air. In the case of satellite-delivered programming, you have to copy a satellite signal onto a recorder. In either case, since the first copy you make of the program becomes the keystone volume in your library, you will want to dub it to the most robust format you can afford.

In this application, the physical tape handling characteristics of the format, as well as its electronic characteristics, are important. U-type, 3/4" videotape machines are in common use because these systems have been around the longest; but they use a color-under, or heterodyne color, recording system that produces an inferior picture in terms of both color fidelity and resolution. And while these machines are extremely forgiving on tape damage, they also tend to be relatively rough on tape, giving you fewer plays per cassette than is typical of gentler systems like MII or even S-VHS.

Origination is a somewhat more demanding process in which other kinds of equipment, particularly cameras, come into play. And because most original programs will require at least some minor editing, a producer prefers to have as robust a signal as possible in the original recording. By the time an original recording plays to air, it will have been rerecorded at least three times, or in the jargon of the industry, the air-copy will be at least third generation dub (the original recording first generation; edited to a master second generation; dubbed to an air copy third generation).

Post-Production

In post-production the typical set-up involves at least two VTR's — a source VTR and an editing VTR. Typically, the source VTR is of the same format as the VTR you used for the original recording (or acquisition). The editing VTR can be the same format as your acquisition recorder, or it can be a different format. It is fairly common practice to have a higher grade format in the editor function so that you produce the highest quality master possible. After all, all your future dubs of the program will come from that master.

You'll also want the editing VTR to have various features that broaden the number and types of things you can do in the editing of a program. And the editing VTR should have a standard RS-232 or RS-422 control interface so, that it will respond precisely to the commands of an edit controller. (Of course, there are innumerable types of edit controllers ranging from those costing several hundred dollars and capable of making simple cuts between



Panasonic's AU-410 Series dockable VTR.



Bill Bakonyi with two of Panasonic's MII VTR's.

the two VTR's to those costing thousands of dollars and capable of controlling many VTR's simultaneously in a complex automated program assembly mode.)

Playback applications typically fall into two categories — playback-to-air and utility playback. Utility playback covers a multitude of activities ranging from simply reviewing a program in your office to screening a commercial for a prospective client.

Panasonic's MII format VTR's perform each of the principal applications — production, post-production, and play-back — beautifully. But the MII format is more expensive than our S-VHS systems. Nevertheless, a good case can be made for including some MII type VTR's in certain critical areas of your operations. And in the long run, the choice of MII can prove to be the more prudent choice from an overall cost standpoint.

"Walk-Away Time"

In some playback-to-air applications, so-called "walk-away time" can be of crit-

ical concern. Basically, walk-away time is the amount of time you can walk away from the machine before you have to return to it to reload it, adjust it, or fix it.

Both CBS and NBC, for instance, use MII VTR's in their network Time Zone Delay playback facilities. Such facilities are used to record the network schedule originating from one time zone and play it back at the correct clock time in another time zone. Both networks sought to have machines that could be relied upon to produce network quality images and yet would be rugged enough to record and play back virtually unattended.

In the NBC set-up, for example, five MII VTR's in the Rocky Mountain Time Zone Delay facility are operating around the clock, seven days a week. CBS uses the AU-65 VTR's, controlled by a Time Logic control system, to delay network and WCBS-TV (New York City) programming. The MII VTR's and Time Logic control system are mounted in a single rack configuration.

CBS had been using I" VTR's for delay

operations, but they needed to be manually loaded and threaded and required constant adjustment. This application of AU-65 VTR's allows CBS to reduce operational costs, including rack space and power consumption.

The AU-65 features a 90-minute record/ playback and has a suggested retail price of \$15,700 (with Time Code Reader/ Generator).

Automation

There are several companies today making various VTR control systems for automated record and playback applications. Cable TV headends are frequent users of such systems for reasons very similar to those that make these systems attractive to broadcasters — unattended operation, minimum labor and maintenance costs, and superior image quality. In many cases, users select our AU-62 player, priced at \$11,650 (with Time Code Reader/Generator), for this type of application.

Of course, Panasonic makes the M.A.R.C. cassette library system commonly found in UHF and VHF broadcast stations. These systems, which are capable of automatically running nearly all of a station's on-air schedule, use the same MII VTR's for playback as you would find in a much smaller system. Some users have been able to engineer their own limited automation systems using personal computers to control banks of VTR's.

In most post-production, the AU-65 is the MII choice for the editing platform. The AU-65 has a built-in TBC, I-event assemble edit, audio split, variable memory editing, advanced LSI's that reduce weight and power consumption, and search dial control of the on-screen initial set-up menu for quick and easy mode setting.

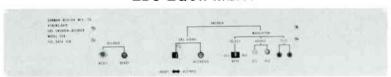
S-VHS For Acquisition

Because Panasonic has emphasized connectivity in all of its VTR systems, almost any type of VTR can be used as the source machine for the AU-65. Many users, seeking maximum economy without sacrificing quality, use Panasonic S-VHS VTR's for program acquisition.

The S-VHS VTR's have the complete range of professional features producers rely on and therefore make excellent source machines. By editing onto MII, however, you get a more robust recording that you can edit to several more generations without serious sacrifice of video image quality.

When the program is completed, it can be dubbed back to S-VHS for playback. Because S-VHS machines can produce VHS formatted tapes (VHS is the common format of most home and office VCR's) copies of programs and commercials can

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be made for distribution to prospective clients or for other off-air purposes (distribution to local schools, community groups, or simply for off-line review in your own home).

Metal-Particle Tape

Finally, MII uses metal-particle tape, which is slightly more expensive than the older oxide tape formulations. On the other hand, there has been for several years a distinct trend towards using metal tape for video, and you can expect that in the long run programs inventoried on metal tape will have a longer useful life.

Eventually, a library containing oxide recordings will force the user either to maintain two types of equipment or to use a much more expensive oxide/metaltape capable system. The wisdom of the latter option is doubtful when you consider that such a system performs less well on metal-tape than does its metalonly cousin, and that extended use of oxide formulations on such machines eventually impairs their ability to handle metal particle tape. Despite the slightly higher cost of metal-particle formulation tape, its advantages will eventually make the difference worthwhile. And since tape is a volume business, as metal particle tape use widens, its higher costs should moderate.

Community broadcasters seeking longterm profitability for their stations should not be lulled into the trap of cheap equipment and cheap formats. Value for your clients and for your viewers can be achieved only if your programming is supported by a reliable videotape system.

William G. Bakonyi is product marketing manager for Panasonic Broadcast & Television Systems' MII line. An engineer by training, Mr. Bakonyi worked for CBS News before joining Panasonic, where he served as a national training manager and product manager before assuming his present post

...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.

W34AW Sarasota, FL. WVJ-TV, Inc., 8/23/91. K12OA Pocatello, ID. Ambassador Media Corporation, 8/23/91.

K19CA St. James, MN. United Communications Corporation, 8/22/91.

K47DR Farmington, NM. Christian Broadcasting Communications, 8/22/91.

KO4NZ Tulsa, OK. Harry V. Tootle, 8/23/91. W28BA Isabel Segunda, PR. Jose Julio Martinez Velilla, 8/23/91.

K56DP Houston, TX. Third Coast Broadcasting, Inc., 8/23/91.

K30DE Apple Valley, UT. Washington County, 8/23/91

K34CX Apple Valley, UT. Washington County, 8/23/91.

LPTV LICENSE RENEWALS

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

K14AO Elko, NV. Elko Television District, 8/19/91. K17AH Tonopah, NV. Nye County, 8/19/91. W15AB Rice Lake, WI. Chronotype Publishing Company, 8/19/91.

NEW LPTV CONSTRUCTION PERMITS

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

K25EA Tucson, AZ. Ponyland Broadcasting Company, 8/26/91.

BON MOT

Do not possess anything that can hinder you or rob you of freedom.

Thomas à Kempis

K51CE Colorado Springs, CO. Zenon Reynarowych, 8/26/91.

K15DG Pocatello, ID. The Little TV Station, 7/30/91.

K43DQ Grand Forks, ND. K. Sandoval Burke, 8/26/91.

W44BC Brentwood, NY. Jose Luis Rodriquez, 8/26/91

W21AV Heuvelton, NY. Lexington Equipment & Supply, Inc., 8/26/91.

ASSIGNMENTS AND TRANSFERS

K08LC Sacramento, CA. Voluntary assignment of permit granted from Kidd Communications to Polar Broadcasting, Inc. on 8/16/91.

K56BW Tahoe City, CA. Voluntary assignment of license and construction permit granted from Gavilan Communications to Sierra Broadcasting Company on 8/27/91.

K18CQ Aspen, CO. Voluntary assignment of permit granted from Steamboat Broadcast Systems, Inc. to Aspen Broadcasters, Inc. on 8/13/91.

W12CL Windsor Locks, CT. Voluntary assignment of permit granted from Morning Star Communications to John Andrew Thompson on 8/7/91.

W14BG Newark/Brookside, DE. Voluntary assignment of license granted from Francis J. Tafelski to Priority Communications Ministries, Inc. on 8/20/91.

K65BV Lihue/Kauai, Hl. Transfer of control of King Broadcasting Company granted from Harriet Stimson Bullitt, Priscilla B. Collins, et al. to King Holding Corporation on 8/27/91.

K38AS Twin Falls, ID. Transfer of control of King Broadcasting Company granted from Harriet Stimson Bullitt, Priscilla B. Collins, et al. to King Holding Corporation on 8/27/91.

W46BE Murray, KY. Voluntary assignment of license granted from Murray Broadcasting Company, Inc. to Keith Stubblefield on 8/12/91.

K39CU Fisher, MN. Voluntary assignment of permit granted from Rural Community Television to Julio F. Izzo on 8/13/91.

K29AZ Newport, OR. Transfer of control of King Broadcasting Company granted from Harriet Stimson Bullitt, Priscilla B. Collins, et al. to King Holding Corporation on 8/27/91.

KOBKN Prineville/Redmond, OR. Transfer of control of King Broadcasting Company granted from Harriet Stimson Bullitt, Priscilla B. Collins, et al. to King Holding Corporation on 8/27/91.

W30AR Meadville, PA. Voluntary assignment of permit granted from Clark Ortiz to A. D. Glover on 8/15/91.

W07BM Cookeville, TN. Voluntary assignment of license granted from First Baptist Church to Jason Wilson on 8/23/91.

K30CE Austin, TX. Voluntary assignment of license and construction permit granted from Austin Television Company to Univision Station Group, Inc. on 8/27/91.

K49CD Odessa, TX. Voluntary assignment of permit granted from Ronald J. Gordon to Telemundo of Galveston-Houston, Inc. on 8/23/91.

K48DP Tyler, TX. Voluntary assignment of permit granted from Elva Denise Hinojosa to C/TEC Corporation on 8/1/91.

CANCELLATIONS

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

W53AL West Palm Beach, FL. Richard & Ann Vermillion, 7/22/91.

K46CE Lafayette, LA. K. Sandoval Burke, 7/11/91.

W49AN Myrtle Beach, SC. Missionary Broadcasters, Inc., 7/18/91.

PROPOSED CONSTRUCTION PERMITS

The following LPTV and TV translator applications have been accepted for filling and are not mutually exclusive with any other pending applications. If no petitions to deny these applications are filed, they will be granted.

*(Applicant proposes a major change to an application filed in a previous window.)

New Stations

Ch. 30 Andalusia, AL. Sonlight Broadcasting Systems, Inc.

Ch. 52 Cullman, AL. AOC Communications, Inc.

Ch. 22 Decatur, AL. All American TV, Inc. Ch. 57 Florence, AL. All American TV, Inc.

Ch. 64 Fort Mitchell/Phenix City, AL. Alabama Educational TV Commission.

Ch. 66 Gulf Shores, AL. Christian Brotherhood Broadcasting.

Ch. 67 Huntsville, AL. All American TV, Inc.

Ch. 68 Mobile, AL. Alvin D. Groves.

Ch. 35 Opelika, AL. Sonlight Broadcasting Systems, Inc.

Ch. 24 Talladega, AL. TV Talladega, Inc.

Ch. 46 Tuscaloosa, AL. All American TV, Inc.

Ch. 20 El Dorado, AR. Woods Communications Group, Inc.

Ch. 23 El Dorado, AR. Woods Communications Group, Inc.

Ch. 55 Little Rock, AR. Cyril H. Miller, Jr.

Ch. 67 Little Rock, AR. James D. Morgan. Ch. 60 Magazine Mountain, AR. Pharls Broad-

casting, Inc.
Ch. 7 Benson, AZ. NPG of Arizona, Inc.

Ch. 3 Douglas, AZ. NPG of Arizona, Inc.

Ch. 30 Flagstaff, AZ. KUSK, Inc.

Ch. 15 Fredonia, AZ. Western Kane County Special Services District.

Ch. 7 Green Valley, AZ. NPG of Arizona, Inc. Ch. 29 Green Valley, AZ. Hispanic Broadcasters of Arizona, Inc.

Ch. 16 Kingman, AZ. MW TV, Inc.

Ch. 17 Lake Havasu City, AZ. KUSK, Inc.

Ch. 17 Wellton, AZ. KB Media, Inc.

*Ch. 4 Bakersfield, CA. Eduardo & Rosa Maria Caballero.

Ch. 67 Coleville, CA. Mono County Office of Education.

Ch. 17 Crowley Lake/Long Valley, CA. Mono County Service Area #1.

Ch. 19 Crowley Lake/Long Valley, CA. Mono

County Service Area #1.

Ch. 25 Crowley Lake/Long Valley, CA. Mono County Service Area #1.

Ch. 27 Crowley Lake/Long Valley, CA. Mono County Service Area #1.

*Ch. 14 Delano, CA. Eduardo & Rosa Maria Caballero.

Ch. 40 Fort Bragg, CA. Precht Television Associates, Inc.

Ch. 11 Fresno, CA. Harlan L. Jacobsen.

Ch. 13 Fresno, CA. Harlan L. Jacobsen.

Ch. 25 Garberville, CA. Fortuna Economic Development Corporation.

Ch. 21 Palm Springs/Indio, CA. Ota Lee Babcock.

Ch. 44 Paso Robles, CA. Stauffer Communications, Inc.

Ch. 39 Rio Dell/Scotia, CA. Fortuna Economic Development Corporation.

*Ch. 25 Sacramento, CA. Robert L. Suffel.

*Ch. 49 Sacramento, CA. Kidd Communications. Ch. 47 South Yreka, CA. California-Oregon Broadcasting, Inc.

Ch. 39 Trinity Center, CA. Northern California Educational TV Association, Inc.

*Ch. 23 Ukiah, CA. California-Oregon Broadcast-

Ch. 8 Visalia, CA. Turnpike Television.

Ch. 42 Willow Creek, CA. Loleta Volunteer Fire Department.

Ch. 20 Aspen, CO. Slice of Life Productions, Inc. Ch. 42 Bayfield/Ignacio, CO. Withers Broadcasting Company of Colorado.

Ch. 66 Cheyenne Wells, CO. Cheyenne County. Ch. 16 Cortez, CO. Montezuma-Dolores County Metropolitan Recreation District.

Ch. 18 Cortez, CO. Montezuma-Dolores County Metropolitan Recreation District.

Ch. 20 Cortez, CO. Montezuma-Dolores County Metropolitan Recreation District.

Ch. 33 Denver, CO. Happy Church, Inc.

Ch. 23 Durango, CO. Karl Christopher Bartch.

Ch. 48 Eads, CO. Kiowa County.

Ch. 58 Eads, CO. Kiowa County.

Ch. 48 Meeker, CO. Rio Blanco County TV Association.

Ch. 39 Parlin/Doyleville, CO. Gunnison County Metropolitan Recreation District.

Ch. 48 Sapinero, CO. Gunnison County Metropolitan Recreation District.

Ch. 42 Sweetwater Creek, CO. Garfield County. Ch. 39 Swink, CO. Full Gospel Outreach, Inc. *Ch. 69 Hartford, CT. Atrium Broadcasting

Ch. 47 Fort Walton Beach, FL. WEAR-TV, Ltd.

Ch. 3 Key West, FL. Tropical Paradise, Ltd.

Ch. 48 Lake City, FL. Henry J. McGinnis.

Ch. 45 Live Oak, FL. Henry J. McGinnis.

Ch. 43 MacClenny, FL. Henry J. McGinnis.

Ch. 20 Melbourne, FL. David Kennedy Ross.

Ch. 58 Okeechobee, FL. Angler Television.

Ch. 60 Old Town, FL. Henry J. McGinnis.

Ch. 68 Panama City, FL. Warren Taylor Reeves.

Ch. 12 Pensacola, FL. Christian Brotherhood Broadcasting.

Ch. 12 Pensacola, FL. Vernon Watson.

Ch. 27 Pensacola, FL. Christian Brotherhood Broadcasting.

Ch. 35 Albany, GA. Jesse Boone, Sr.

Ch. 57 Albany, GA. Brian N. Benschoter.

Ch. 50 Hinesville, GA. Carl L. Gillis, Jr.

Ch. 45 Sandersville, GA. Carl L. Gillis, Jr.

Ch. 48 Statesboro, GA. Carl L. Gillis, Jr.

Ch. 42 Waycross, GA. Carl L. Gillis, Jr.

Ch. 56 Honolulu, Hl. Turnpike Television.

Ch. 60 Kailua Kona, Hl. K. Sandoval Burke.

Ch. 30 Ames, IA. Mike Heggen.

Ch. 39 Council Bluffs, IA. Douglas Sheldahl.

Ch. 55 Waterloo, IA. Marshall J. Garrison.

Ch. 22 Boise, ID. Hope Broadcasting Corporation.

Ch. 31 Boise/Nampa/Caldwell, ID. Brian A. Gould.

continued

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Ch. 18 Coeur D'Alene, ID. KHQ, Inc.

Ch. 40 Coolin, ID. Priest Lake Translator District. Ch. 57 Garden Valley, ID. Garden Valley Transla-

Ch. 61 Garden Valley, ID. State Board of Education (IEPBS).

Ch. 14 Lapwai, ID. State Board of Education (IEPBS).

Ch. 14 Leadore, ID. State Board of Education (IEPBS).

Ch. 17 Mackay, ID. State Board of Education (IEPBS).

Ch. 27 McCall, ID. Sawtooth Communications,

Ch. 22 Preston, ID. Franklin County TV District

Ch. 19 Rockland, ID. State Board of Education (IEPBS).

Ch. 48 Sandpoint, ID. KHQ, Inc.

Ch. 67 Terrace Lakes/Crouch, ID. Garden Valley Translator District.

Ch. 15 Twin Falls, ID. Hector Leal.

Ch. 36 Champaign, IL. Professional Impressions Media Group.

Ch. 46 Champaign, IL. Professional Impressions Media Group.

Ch. 58 Champaign, IL. Professional Impressions Media Group.

Ch. 67 Champaign, IL. Professional Impressions Media Group.

Ch. 29 Decatur, IL. Inspiration TV of Southern

Ch. 41 Effingham, IL. Lightning Broadcasting Company.

Ch. 7 Lincoln, IL. L & M Broadcasting Company, Inc.

Ch. 9 Lincoln, IL. L & M Broadcasting Company, Inc.

Ch. 10 Normal, IL. HSN Broadcasting-LPTV, Inc.

Ch. 21 Princeton, IL. WZOE, Inc. Ch. 55 Princeton, IL. WZOE, Inc.

Ch. 52 Sterling/Dixon, IL. All American TV, Inc.

Ch. 63 Evansville, IN. Dunn Broadcasting Company.

Ch. 65 Evansville, IN. Dunn Broadcasting Company.

Ch. 27 Jasper, IN. Paul E. Knies.

Ch. 39 Jasper, IN. Paul E. Knies.

Ch. 12 Kendallville, IN. C.P. Broadcasters, Inc.

Ch. 64 Mount Vernon, IN. Sister Sue Jenkins, S.F.C.C.

Ch. 22 Winfield, KS. Winfield Publishing Company, Inc.

Ch. 9 East Bernstadt, KY. Andrea Joy Kesler.

Ch. 40 Lafayette, LA. Family Vision, Inc.

Ch. 45 Mermentau, LA. R. B. Sheldahl.

Ch. 60 Monroe, LA. Robert W. Brewer.

Ch. 57 Shreveport, LA. Marjorie Sue Wallace.

Ch. 63 Shreveport, LA. Joseph Alfred Smith.

Ch. 9 Carmel, ME. TV-9.

Ch. 17 Danforth, ME. Craig Ministries, Inc. Ch. 19 Dover/Foxcroft, ME. Craig Ministries, Inc.

Ch. 14 Medway, ME. Craig Ministries, Inc.

Ch. 15 Thomaston/Rockland, ME. Three Eagles Broadcasting Company.

Ch. 46 Thomaston/Rockland, ME. Three Eagles Broadcasting Company.

Ch. 67 Waterville, ME. Bangor Communications,

Ch. 20 Battle Creek, Ml. Inspiration TV of Southern Oregon

Ch. 24 Kalamazoo, Ml. Inspiration TV of Southern Oregon.

Ch. 13 Sault Ste. Marie, Ml. Federal Braodcasting Company.

Ch. 48 Alexandria, MN. Selective TV, Inc.

Ch. 50 Alexandria, MN. Selective TV, Inc.

Ch. 52 Alexandria, MN. Selective TV, Inc.

Ch. 23 Appleton, MN. Prairieview TV, Inc.

Ch. 25 Appleton, MN. Prairieview TV, Inc.

Ch. 18 Donnelly, MN. Tri-County UHF, Inc. Ch. 26 Donnelly, MN. Tri-County UHF, Inc.

Ch. 28 Donnelly, MN. Tri-County UHF, Inc. Ch. 47 Donnelly, MN. Teleview Systems of

Ch. 35 Granite Falls, MN. Minnesota Valley TV Improvement Corporation.

Ch. 45 Granite Falls, MN. Minnesota Valley TV Improvement Corporation.

Ch. 18 Lake Wilson, MN. Kristine C. Dexter.

Ch. 22 Lake Wilson, MN. Kristine C. Dexter.

Ch. 45 Lake Wilson, MN. Vu Thi Power.

Ch. 49 Lake Wilson, MN. Vu Thi Power. Ch. 59 Orr, MN. Orr Area Minneonto II.

Ch. 43 Roseau, MN. Mountain TV Network, Inc.

Ch. 4 Columbia, MO. Corinne R. Koenig.

Ch. 24 Lebanon, MO. New Life Evangelistic Center, Inc.

Ch. 15 Osage Beach, MO. William J. Harrower. Ch. 44 Osage Beach, MO. New Life Evangelistic Center, Inc.

Ch. 28 Sikeston, MO. New Life Evangelistic Center, Inc.

Ch. 5 Springfield, MO. Ed Stites.

Ch. 34 Calhoun City, MS. William Earl Morgan. Ch. 47 Oxford, MS. Sonlight Broadcasting

Systems, Inc.

Ch. 26 Vicksburg, MS. Kaye Arwood.

Ch. 20 Baker, MT. Baker Public School Trustees District #12

Ch. 17 Biddle/Boyes, MT. Powder River County District High School

Ch. 2 Bozeman, MT. Murray Duffy.

Ch. 43 Butte, MT. Big Horn Communications, Inc.

Ch. 59 Chinook, MT. Blaine County Public Television, Inc.

Ch. 36 Clancy, MT. Boulder TV Translator Associ-

Ch. 51 Dillon, MT. Eagle Communications, Inc.

Ch. 36 Dodson, MT. Phillips County TV Translator District.

Ch. 43 Dutton, MT. Teton County.

Ch. 38 Fairfield, MT. Teton County.

Ch. 25 Helena, MT. KXLF Communications, Inc.

Ch. 58 Helena, MT. Eagle Communications, Inc.

Ch. 44 Hill/Glacier, MT. Sweetgrass Hills Inspirational.

Ch. 28 Howard, MT. Forsyth TV Tax District.

Ch. 44 Howard, MT. Forsyth TV Tax District.

Ch. 34 Joliet, MT. Joliet Public School District

Ch. 7 Jordan, MT. Garfield TV Club.

Ch. 30 Jordan, MT. Garfield TV Club.

Ch. 59 Kalispell, MT. CTN Missoula, Inc.

Ch. 65 Kalispell, MT. Flathead Valley Community College.

Ch. 40 Missoula, MT. Spokane School District #81.

Ch. 17 Plevna, MT. Plevna PS. Trustees District #55

Ch. 24 Plevna, MT. Plevna P.S. Trustees District

Ch. 34 Plevna, MT. Plevna P.S. Trustees District #55.

Ch. 17 Red Lodge, MT. Telecrafter Corporation.

Ch. 21 Red Lodge/Roberts, MT. Red Lodge Public Schools District #1.

Ch. 39 St. Regis, MT. St. Regis TV Tax District.

Ch. 42 Shepherd/Huntley/Worden, MT. Rural Television System, Inc.

Ch. 35 Three Forks, MT. Eagle Communications, Ch. 31 Twin Bridges, MT. Twin Bridges High

School. Ch. 34 Whitewater, MT. Phillips County TV

Translator District. Ch. 69 Bryson City, NC. Cannell Communica-

tions, L.P. Ch. 53 Cherokee, NC. Cannell Communications,

Ch. 18 Elizabeth City, NC. Elizabeth City State University.

Ch. 46 Elizabeth City, NC. Elizabeth City State University

Ch. 69 Fayetteville, NC. Interactive Television Corporation.

Ch. 64 Franklin, NC. Cannell Communications,

Ch. 58 Raleigh, NC. Charles W. Williams.

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- Ch. 60 Raleigh, NC. Mega Educational Communications, Inc.
- Ch. 66 Sylva, NC. Cannell Communications, L.P.
- Ch. 33 Wilmington, NC. Robert T. James. Ch. 29 Bismarck, ND. Sonlight Broadcasting Systems, Inc.
- Ch. 53 Forman, ND. Mountain TV Network. Inc. Ch. 20 Noonan, ND. Meyer Broadcasting Com-
- Ch. 63 Turtle Mountain Indian Reservation, ND. Schindler Community TV Services.
- Ch. 65 Turtle Mountain Indian Reservation, ND. Schindler Community TV Services.
- Ch. 8 Harrison, NE. Nebraska Educational Telecommunications Commission.
- Ch. 67 Omaha, NE. Jeffrey L. Hamilton.
- Ch. 47 Conway/Berlin, NH. WMUR-TV, Inc. Ch. 32 Alamogordo, NM. KICK-TV, Inc.
- Ch. 45 Albuquerque, NM. Joseph W. Shafter.
- Ch. 51 Clovis, NM. Regents of Eastern New Mexico University.
- Ch. 2 Conchas Dam, NM. Conchas Television Association.
- Ch. 63 Crownpoint, NM. KOB-TV, Inc.
- Ch. 65 Crownpoint, NM. Pulitzer Broadcasting Company.
- Ch. 67 Crownpoint, NM. New Mexico Broadcasting Company, Inc.
- Ch. 68 Deming, NM. KOB-TV, Inc.
- Ch. 22 Eagle Nest, NM. Victory Communications, Inc.
- Ch. 25 Farmington, NM. John W. Lee.
- Ch. 8 Hillsboro, NM. Hillsboro TV Association.
- Ch. 46 Las Cruces, NM. Southwestern Broadcasting Company, Inc.
 Ch. 40 Raton, NM. KGSW-TV, Inc.
 Ch. 50 Roswell, NM. Marsh Media of El Paso.

 - Ch. 24 Tucumcari, NM. KGSW-TV, Inc.

 - Ch. 40 Tucumcari, NM. UHF TV Association. Ch. 6 Beatty, NV. Beatty Town Advisory Council.
 - Ch. 16 Beatty, NV. Beatty Town Advisory Council.
 - Ch. 27 Carlin, NV. Carlin Television District.
 - Ch. 33 Carlin, NV. Carlin Television District.
 - Ch. 56 Carlin, NV. Carlin Television District.
- Ch. 15 Las Vegas, NV. Tierra Alta Broadcasting, Inc.
- Ch. 50 McDermitt, NV. Humboldt County Rural TV District.
- Ch. 58 McDermitt, NV. Humboldt County Rural TV District.
- Ch. 43 Panaca, NV. Lincoln County TV District #1.
- Ch. 45 Searchlight, NV. County of Clark.
- Ch. 50 Ursine, NV. Lincoln County TV District
- Ch. 41 Buffalo, NY. Three Angels Broadcasting Network, Inc.
 - Ch. 61 Buffalo, NY. Craig L. Fox.
- Ch. 27 Plattsburgh, NY. Susan Clarke. Ch. 68 Rotterdam, NY. Eric M. Zachs. Ch. 19 Defiance, OH. Wolfe Communications, Inc.
- Ch. 25 Defiance, OH. Wolfe Communications, Inc.
- Ch. 25 Balko, OK. Christian Community Television, Inc.
- Ch. 24 Chickasha, OK. Locke Supply Company. Ch. 56 Elk City, OK. Northfork TV Translator
- System. Ch. 50 Glencoe, OK. Mike Veldman.
- Ch. 15 Lawton, OK. Cyril H. Miller, Jr.
- Ch. 31 Lawton, OK. Lawton LPTV, Inc.
- Ch. 64 Lawton, OK. Lawton LPTV, Inc.
- Ch. 66 Lawton, OK. Lawton LPTV, Inc.
- Ch. 38 Oklahoma City, OK. In Sook Lee.
- Ch. 59 Oklahoma City, OK. Cyril H. Miller, Jr.
- Ch. 7 Stillwater, OK. Mike Veldman. Ch. 19 Stillwater, OK. Ron Buck.
- Ch. 32 Strong City, OK. Northfork TV Translator System.
- Ch. 14 Tulsa, OK. Gerald Brothers.
- Ch. 69 Tulsa, OK. Cyril H. Miller, Jr. Ch. 57 Coos Bay, OR. Telecasters of Eugene,
- Ch. 52 Heppner, OR. Blue Mountain Translator District.
- Ch. 54 Heppner, OR. Blue Mountain Translator District.
- Ch. 48 Hermiston, OR. Melvin L. Kimmel.
- Ch. 56 Klamath Falls, OR. Better Life Television.

- Ch. 23 La Grande, OR. Columbia River Television, Inc.
- Ch. 32 La Grande, OR. Blue Mountain Translator District.
- Ch. 34 La Grande, OR, Blue Mountain Translator District.
- Ch. 52 La Grande, OR. Blue Mountain Translator District.
 - *Ch. 59 McMinnville, OR. Kenneth J. Seymour. Ch. 42 Medford, OR. Better Life Television.
- Ch. 55 Milton/Freewater, OR. City of Milton/ Freewater.
- Ch. 16 Phoenix/Talent, OR. Freedom Communications, Inc.
- Ch. 5 Prairie City/Unity, OR. State of Oregon Public Broadcasting.
- Ch. 35 Reedsport, OR. California-Oregon Broadcasting, Inc.
- Ch. 25 Roseburg, OR. Telecasters of Eugene, Inc.
- Ch. 24 Clarks Summit, PA. Joseph S. & Irene F. Gans.
 - Ch. 48 Erie, PA. Inspiration Time, Inc.
 - Ch. 8 Honesdale, PA. Barbara J. Neuhaus.
- Ch. 69 Jersey Shore, PA. Diversified Communications.
 - Ch. 54 Kingston, PA. Kathy Potera.
 - Ch. 66 Lock Haven, PA. Cornerstone Television.
- Ch. 16 Isabel Segunda/Viegues, PR. Olga Rosario.
- Ch. 52 Atlantic Beach, SC. Interactive Television Corporation.
 - Ch. 26 Charleston, SC. Randolph Ervin.
 - Ch. 47 Charleston, SC. Jeffery L. Hamilton.
- Ch. 55 Garden City, SC. H. Leon Drye, Jr. Ch. 50 Aberdeen, SD. Independent Communications, Inc.
- Ch. 50 Brookings, SD. Jase Video Productions.
- Ch. 28 Custer, SD. Midcontinent TV of South Dakota, Inc.
- Ch. 34 Humboldt, SD. Independent Communications. Inc.
 - Ch. 29 Oglala, SD. Loneman School, Inc.
- Ch. 34 Chattanooga, TN. Victory Communications, Inc.
 - Ch. 21 Cleveland, TN. Irene Perez Gerena.
- Ch. 7 Memphis, TN. HSN Broadcasting-LPTV, Inc
- Ch. 20 Abilene, TX. Joanna Levin.
- Ch. 54 Abilene, TX. Sage Broadcasting Corporation.
- Ch. 8 Alice, TX. Keith L. Lowery.
- Ch. 9 Austin, TX. The University of Texas at Austin Center.
- Ch. 30 Big Springs, TX. Prime Time Christian Broadcasting, Inc.
- Ch. 23 Childress, TX. Red River Valley TV Translator Association, Inc.
 Ch. 45 Clarendon, TX. Donley County UHF TV,
- Inc.
- Ch. 13 Corpus Christi, TX. Aracelis Ortiz.
- Ch. 63 Corpus Christi, TX. Corali Ortiz.
- Ch. 54 El Paso, TX. Charles W. Williams.
- Ch. 53 Follett, TX. C.L. & O. Translator System,
- Ch. 25 Fredericksburg, TX. Perspective Communications, Inc.
- Ch. 45 Kerrville, TX. River City Television Part-
- ners, L.P. Ch. 47 Kerrville, TX. William G. Stacy, III.
- Ch. 13 Kingsville, TX. Keith L. Lowery.
- Ch. 45 Levelland, TX. Prime Time Christian Broadcasting, Inc.
- Ch. 10 Longview, TX. International Broadcasting Network.

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Ch. 22 Longview, TX. C/TEC Corporation. Ch. 13 Lufkin, TX. International Broadcasting

Network. Ch. 66 Matador, TX. Ramar Communications,

Inc

Ch. 18 McAllen, TX. Raul Infante, Jr. Ch. 65 McAllen, TX. Meraco Communications.

Ch. 2 Nacogdoches, TX. International Broadcasting Network.

Ch. 16 Odessa, TX. William G. Stacy, III. Ch. 58 Perryton, TX. C. L. & O. Translator

System, Inc.

Ch. 19 San Antonio, TX. Vivian Okita.

Ch. 52 San Antonio, TX. Agustin Torres, Jr.

Ch. 13 South Padre Island, TX. Robert Hunsaker. Ch. 52 Texarkana, TX. Kaye Arwood.

Ch. 20 Tyler, TX. HCS Cable TV, Inc.

Ch. 7 Victoria, TX. Fd Stites.

Ch. 43 Victoria, TX. R. B. Sheldahl.

Ch. 67 Whitehouse, TX. Kaye Arwood.
Ch. 26 Wichita Falls, TX. National Minority TV,

Ch. 25 Beryl/Modena, UT. Iron County.

Ch. 25 Beryl/Modena, U. Iron County.
Ch. 31 Bluebell, UT. Duchesne County.
Ch. 24 Cedar City, UT. University of Utah.
Ch. 66 Delta/Oak City, UT. Millard County.
Ch. 50 Fillmore/Meadow, UT. Millard County.

Ch. 67 Fillmore/Meadow, UT. Millard County. Ch. 59 Fruitland, UT. Duchesne County.

Ch. 68 Garrison, UT. Millard County. Ch. 40 Heber City, UT. Fox Television Stations,

Inc. Ch. 18 Kanab, UT. Western Kane County Special

Services District.

Ch. 17 Koosharem, UT. Sevier County. Ch. 24 Moab, UT. Fox Television Stations, Inc.

Ch. 52 New Harmony, UT. Iron County.

Ch. 54 New Harmony, UT. Iron County. Ch. 39 Ogden, UT. Telemundo of Northern California, Inc.

continued on page 22

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Supplier Side

Want to make more money, more profits, more easily? A new two-step productivity enhancement program from Richard L. Burns's **Marketing Associates** may be the answer.

The first step in the customized program is designed to increase the productivity and participation of station employees by improving personal and organizational attitudes and motivation in all areas of the station — management, sales, and production. The second step involves actual on-the-street local sales as well as strategies for capturing regional and national accounts.

Also included are methods for objectively measuring the improvement in your business.

Circle (112) on ACTION CARD

New from **Cablewave Systems** is Catalog 720A, covering the company's line of FLEXWELL® transmission products—coaxial cable, waveguide, and pressurization equipment and accessories. The attractive color catalog provides complete descriptions of each product and includes engineering data and tables as well as product and part number indexes.

Also available is Catalog 800 which describes Cablewave's line of parabolic microwave antennas in the 1.7 GHz to 23.6 GHz range. Electrical and mechanical specifications for both standard and high performance antennas are included, along with specifications for radomes, FLEXWELL coaxial cable, FLEXWELL elliptical waveguide, and associated connectors. Data is included on antenna feeds, windloading, mount outlines, and shipping.

Circle (168) on ACTION CARD

Looking to automate? Then look at the 64-16 micro-processor based video controller from **Adtec Productions**, **Inc**.

The 64-16 includes features like a 16 x 5 built-in switcher and intelligent recovery from power failures. Up to four character generators can be added. A 101-key, AT-style keyboard, user prompts, and an on-screen HELP function make scheduling easy.



The ACTIVE 64-16 video controller from Adtec Productions.

The unit also features complete vertical interval switching with an optional cue tone for commercial insertion or program stripping. It controls up to 16 machines and broadcasts on as many as four channels simultaneously while monitoring and logging all events to either a printer or a memory buffer. And it features a parallel and serial port along with a built-in modem for remote control access.

API specializes in turn-key systems and offers its own line of racks and accessories.

Circle (140) on ACTION CARD

And here's another traffic and billing system to consider—Datacount's DARTS, or Datacount Accounts Receivable and Traffic Scheduling computer software for broadcasters. DARTS is a PC-based system with both single and multi-user versions. It handles all aspects of logging, traffic, co-op billing, accounts receivable, and sales and management reporting; and it includes a 5-year sales history and rotating carts/media features with full system interfaces available for many automation products.

A complete accounting package is designed exclusively for broadcasters, and a SALESCALL prospect/customer database manager is fully integrated with the DARTS traffic system and provides man-

agers with both account activity and sales rep performance.

Datacount offers customer support, system enhancements, and financing plans.

Circle (135) on ACTION CARD

Engineering consultant **Don Garlick** has developed an easy-to-use IBM-PC-based software program that allows you to create your own custom antenna pattern using multiple standard directional antennas from any manufacturer. PATTY, as the new program is called, will draw a composite pattern on your CRT screen, on a plotter, and even on most dot matrix, laser jet, or ink jet printers.

PATTY will also help with ERP and line loss calculations. Up to ten losses can be entered and added for the line loss, thus allowing for other devices — such as filters, isolators, and jumper cables — in addition to the feed line.

Two modes are available. The first calculates effective radiated power (ERP) from the transmitter power output (TPO) and line loss; the second calculates TPO from ERP and line loss, a function useful in situations of potential interference.

At your option, PATTY will label the printouts with pattern numbers and locations. It also provides a tabulated printout of such information as azimuth, relative voltage, and the ERP for each azimuth in watts and dBK.

Circle (125) on ACTION CARD

James Grunder & Associates has announced the addition of two new Feral Industries production switchers and a new time base corrector into its product line.

The Model C-100 time base corrector/ synchronizer is an improved addition to Feral's video processing and special effects products. The C-100 is a full frame Super-VHS or composite synchronizer/ TBC. The unit features 8-bit, 4:2:2 processing; freeze controls for Fields 1 and 2; four-input select; full frame storage; and full remote control.



Feral Industries' C-100 time base corrector.

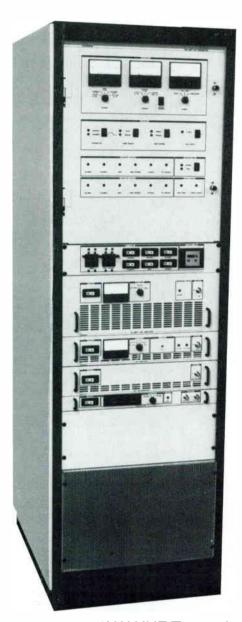
Listing at \$2,995, the C-100 comes with a two-year warranty.

Two new production switchers, the 6119 and the 6119Y/C, each feature compact design, a built-in colorizer, a test mode for system timing, auto transitions with GPI trigger for wipes and mixes, and 12 wipe patterns.

And via an optional serial interface board, the 6119Y/C has the added benefit of being fully controllable from external computers and editors.

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continued from page 19

Ch. 58 Rockville/Springdale, UT. Washington County Television Department.

Ch. 68 Rockville/Springdale, UT. Washington County Television Department.

Ch. 19 Roosevelt, UT. American Television of Utah, Inc.

Ch. 29 Rural Carbon County, UT. University of Utah

Ch. 15 Vernal, UT. American Television of Utah. Inc.

Ch. 33 Vernal, UT. University of Utah.

Ch. 55 Wendover, UT. Fox Television Stations. Inc.

Ch. 10 Charlottesville, VA. The Rector & Visitors of the University of Virginia.

Ch. 39 Farmville, VA. TV Broadcasters of Central

Ch. 48 Farmville, VA. TV Broadcasters of Central Virginia.

Ch. 61 Farmville, VA. TV Broadcasters of Central

Virginia. Ch. 45 Fulks Run, VA. Shenandoah Valley

Educational TV Corporation.

Ch. 59 Hampton, VA. WAVY Television, Inc. *Ch. 42 Richmond, VA. Summation Broadcast-

ing Company.
*Ch. 48 Richmond, VA. Television Interests Company (Applicant proposes a major change to an application filed in a previous window.).

Ch. 11 Staunton, VA. Todd S. Fenstermacher. Ch. 9 Waynesboro, VA. Todd S. Fenstermacher.

Ch. 38 Charlotte Amalie, VI. Kelly Guglielmi. Ch. 41 Christiansted, VI. Interactive Television Corporation.

Ch. 62 Monkton, VT. Vermont Wireless Cooperative.

Ch. 64 Monkton, VT. Vermont Wireless Cooperative.

Ch. 66 Monkton, VT. Vermont Wireless Cooperative.

Ch. 68 Monkton, VT. Vermont Wireless Cooperative.

Ch. 35 Rutland, VT. Paugus Television, Inc. *Ch. 68 Longview, WA. Kenneth J. Seymour. Ch. 29 Point Roberts, WA. Concorde Ventures,

Ltd Ch. 54 Richland, WA. Gloria Black.

Ch. 3 Sunnyside/Prosser, WA. Three Angels Broadcasting Network, Inc. Ch. 4 Crandon, Wl. Ronald La Verne Myers.

Ch. 42 La Crosse, Wl. Douglas Sheldahl. Ch. 61 Stevens Point, Wl. Northland Television,

Inc. Ch. 55 Waupaca, Wl. Renee S. Gardner.

Ch. 33 Wausau, Wl. Oasis of Love Club, Inc. Ch. 2 Beckley, WV. H. Leon Drye, Jr.

Ch. 45 Charleston, WV. National Minority TV, Inc. Ch. 20 Afton, WY. Star Valley TV Systems, Inc.

Ch. 24 Big Piney, WY. Sublette County Ch. 31 Freedom, WY. Lower Star Valley TV

Association. Ch. 14 Pinedale, WY. Sublette County.

Ch. 16 Pinedale, WY. Sublette County. Ch. 18 Rawlins, WY. Manna Media Corporation.

Ch. 24 Rock Springs, WY. Fox Television Stations, Inc.

Ch. 26 Rock Springs, WY. American Television of Utah, Inc.

Modifications

W28AP Athens, AL. Athens Broadcasting Company, Inc

W08DC Elsanor, AL. Whisper Broadcasting Company

W52BC Salem, AL. Trinity Broadcasting Network. K42BS Fayetteville, AR. Trinity Broadcasting Network.

K27ID Fort Smith, AR. Trinity Broadcasting Network.

K63EG Fort Smith, AR. Pharis Broadcasting, Inc. K35CS Texarkana, AR. Beech Street Communications Corporation.

K52AX Lake Havasu City, AZ. Mohave County Board of Supervisors.

K54AN Lake Havasu City, AZ. Mohave County Board of Supervisors.

K58BJ Lake Havasu City, AZ. Mohave County Board of Supervisors.

K62BN Lake Havasu City, AZ. Mohave County Board of Supervisors.

K64BN Lake Havasu City, AZ. Mohave County Board of Supervisors.

K23BY Scottsdale, AZ. KUSK, Inc.

K68DA Scottsdale, AZ. James C. Connell.

K21CX Tucson, AZ. Jana Tucker.

K74BW William/Ash Fork, AZ. Bill Williams TV Association, Inc. (channel change requested to ch.

K57FD Atwater, CA, Trinity Broadcasting Network.

K36BT Blue Lake, CA. California-Oregon Broadcasting, Inc.

K59CP Blythe, CA. Palo Verde Valley TV Club,

K61CR Blythe, CA. Palo Verde Valley TV Club,

K63CJ Biythe, CA. Palo Verde Valley TV Club, Inc.

K65CP Blythe, CA. Palo Verde Valley TV Club,

K53AT Buellton, CA. Trinity Broadcasting Network (channel change requested to ch. 18).

K02OA Chico, CA. Matt Tuter & Carl J. Auel. K67DY Chico/Paradise, CA. Butte Television. K58BN Crowley Lake/Long Valley, CA. Mono County Service Area #1.

K34AV Fresno, CA. Family Television, Inc. K40DB Indio, CA. Pacific Media Corporation. K14HX Lakehead, CA. Northern California Educational TV Association, Inc.

K41CM Modesto, CA. Suzi Muryama. K53DT Monterey, CA. Trinity Broadcasting Network.

K47DQ Sacramento, CA. Telemundo of Northern California, Inc.

K69FB Sacramento, CA. Trinity Broadcasting Network

K08LJ Santa Barbara, CA. Elizabeth Y. & Robert L. Suffel.

K36CD Santa Barbara, CA. Costa De Oro Television, Inc. (channel change requested to ch. 51). K49BZ Santa Barbara, CA. Coastline Communications, Inc.

K49BV Vista, CA. Lupian-Warren-Barnard Partnership.

K03DR Yosemite Village, CA. Henry L. Diamond. K06HD Yosemite Village, CA. Henry L. Diamond. K07DN Yosemite Village, CA. Henry L. Diamond. K10IK Yosemite Village, CA. Henry L. Diamond, K13DO Yosemite Village, CA. Henry L. Diamond. K66DK Aurora/Denver, CO. Jerold R. Welch. K07QE Banty Point, CO. Rio Blanco County TV Association.

K11Pl Banty Point, CO. Rio Blanco County TV Association.

K13QT Banty Point, CO. Rio Blanco County TV Association (channel change requested to ch. 9). K54DK Boulder, CO. Sunbelt Media Group, Inc. K26DI Colorado Springs, CO. Lomas De Oro Broadcasting Corporation (channel change requested to ch. 27).

K38CU Colorado Springs, CO. Zenon Reynarowych.

K59BK Marvine Creek, CO. Rio Blanco County TV Association (channel change requested to ch.

K61BP Marvine Creek, CO. Rio Blanco County TV Association (channel change requested to ch. 69)

K57AZ Meeker/Rangely, CO. Rio Blanco County TV Association (channel change requested to ch. 56)

K32CW Montrose, CO. Montrose County, K03EQ Rangely, CO. Rio Blanco County TV Association (channel change requested to ch. 35). K28CG Rangely, CO. Rio Blanco County TV Association.

K30CK Rangely, CO. Rio Blanco County TV Association.

K32AC Rangely, CO. Rio Blanco County TV Association.

K41AJ Rangely, CO. Rio Blanco County TV Association (channel change requested to ch. 24). K66AX Rangely, CO. Rio Blanco County TV

Association (channel change requested to ch. 22), K08CJ Red Cliff, CO. Town of Red Cliff. K10HG Red Cliff, CO. Town of Red Cliff. K19CB Red Cliff, CO. Town of Red Cliff. K30BS Red Cliff, CO. Town of Red Cliff. K62CZ Red Cliff, CO. Town of Red Cliff.

K64DD Red Cliff, CO. Town of Red Cliff. K66DA Red Cliff, CO. Town of Red Cliff.

W06BL Hartford, CT. Harvard Broadcasting, Inc. W55BT Talleyville, DE. William E. Mattis, Jr. W47AC Big Pine, FL. Board of County Commissioners-Monroe County.

W57AM Big Pine, FL. Board of County Commissioners-Monroe County.

W41BF Coral Gables, FL. Sherjan Broadcasting Company, Inc.

W04CC Fort Myers, FL. Shoreline Broadcasting. W07BR Fort Myers, FL. Tamiami Fort Myers, Inc. W14BA Fort Myers, FL. Suncoast Television, Inc. W59BO Fort Myers, FL. Beach Broadcasting. W65CA Fort Myers, FL. Valuevision International,

W10AX Jacksonville, FL. Video Jukebox Network, Inc.

W67CL Jacksonville, FL. Christina M. Berry. W57BO Madeira Beach, FL. Harry W. Perlow & Charles H. Simon, Jr.

W63AL Marathon, FL. Board of County Commissioners-Monroe County.

W09BS Naples, FL. Caloosa Television Corporation.

W16AQ Naples, FL. Susan A. Lawrenson. W48AY Oldsmar, FL. Ronald J. Gordon. W04BN Orlando, FL. Charles Woods. W21AU Orlando, FL. William K. Rowell. W63BH Orlando, FL. Bahia Honda, Inc. W49AW Palatka, FL. Pentecostal Revival Association, Inc.

W31BB Pensacola, FL. John Walton. W41BH Pensacola, FL. Stephen G. Watford. W20AV Tampa/St. Petersburg, FL. Randolph Weigner.

W04BR Atlanta, GA. Charles Woods. W16AF Columbus, GA. Dr. Stephen Hollis. W22AH Columbus, GA. Dr. Stephen Hollis. W46BI Columbus, GA. Dr. Stephen Hollis. W55BM Marietta, GA, Video Jukebox Network,

W13CC Savannah, GA, Norma Levin, W67BJ Savannah, GA, Trinity Broadcasting

W65BW Valdosta, GA. Joy Explosion Ministries, Inc. (channel change requested to ch. 66). K45CT Hilo, HI. KFVE Joint Venture. K45CQ Council Bluffs, IA. R. B. Sheldahl. K08JA Grimes Pass, ID. Garden Valley Translator

District (channel change requested to ch. 53). W17BD Arlington Heights, IL. Thrash Broadcasting Company, Inc.

W13BE Chicago, IL. Charles Woods. W17AZ Johnston City, IL. Three Angels Broadcasting Network, Inc.

W08CM Rockford, IL. Blackhawk Broadcasting Corporation.

W45AJ Rockford, IL. Katy Communications, Inc. W61BV Sterling, IL. Black Hawk College. W57DI Angola, IN. C. P. Broadcasters, Inc. W04CQ Chesterton, IN. Wingfield Livingston

W38BK Evansville, IN. Tri-State Christian TV, Inc. W66BD Fort Wayne, IN. Tri-State Christian TV.

W31AL Indianapolis, IN. Kingdom of God Ministries, Inc.

W53AV Indianapolis, IN. Kee Properties, Inc. W48BG Kokomo, IN. Kingdom of God Ministries,

W15AY Martinsville, IN, Reporter Times, Inc. W12BK South Bend, IN. Weigel Broadcasting Company

W58BT South Bend, IN. Weigel Broadcasting Company

W69BT South Bend, IN. Weigel Broadcasting Company.

K15DD Wichita, KS. Krista Fordham. K41DB Wichita, KS. Warren R. Wright. W07BM Bowling Green/Glasgow, KY. First Baptist Church of Cookeville (channel change requested to ch. 48).

W07CU Bracktown, KY, Clarabelle F. Boone. W48BD Corbin, KY. Sivley Communications System

W10CC Lexington, KY. Richard D. Martin. W46BE Murray, KY. Murray Broadcasting Company, Inc.

W54AE Paducah, KY. Family Video Entertainment Corporation.

K52CQ Baton Rouge, LA, Capital Community TV. K65EF Baton Rouge, LA. Great Oaks Broadcasting Corporation (channel change requested to ch.

K09VN Shreveport, LA. Clarabelle F. Boone. K65CE Shreveport, LA. Trinity Broadcasting

W29BA Lawrence, MA. Tele Italia, Inc. W11BX Springfield, MA. Harvard Broadcasting,

W65BX Springfield, MA. Channel 13 Television,

W04CJ Augusta, ME. Kennebec Valley Television, Inc.

W25BD Augusta, ME. Kennebec Valley Television, inc.

W16AO Brunswick, ME. Kennebec Valley Television, Inc.

W38AY Camden, ME. Kennebec Valley Television. Inc.

W15AW Farmington, ME. Kennebec Valley Television, Inc.

W31AW Skowhegan, ME. Kennebec Valley Television, Inc.

W41AY Waterville, ME. Kennebec Valley Television. Inc.

W36BD Detroit, MI. Telethon Television Com-

W44AR Detroit, MI. Fairlane Assembly of God. W12CK Kalamazoo, Ml. Penny C. Wilmoth. W29AY Lansing, MI. Jackson TV Company W69BJ Lansing, Ml. Tri-State Christian TV, Inc. K45DF Austin, MN. Teleview Systems of Minne-

K49DB Austin, MN. Teleview Systems of Minne-

K51CY Austin, MN. Teleview Systems of Minne-

K53DI Austin, MN. Teleview Systems of Minne-

K55FJ Austin, MN. Teleview Systems of Minnesota

K61EU Austin, MN. Teleview Systems of Minnesota

K30DK Bemidji, MN. Howard F. Roycroft. K58CM Duluth, MN. Trinity Broadcasting Network. K02NQ Columbia, MO. Raymond A. Karpowicz. K56AU Columbia, MO. Trinity Broadcasting Network

K46CZ Joplin/Carthage, MO. Gary M. and Deborah R. Kenny

K29CF Kansas City, MO. Triangle Television

K34CW Kirksville, MO. Public Interest Broadcast

K15CZ Springfield, MO. Nancy M. Kuni. K43DG Springfield, MO. Susan A. Lawrenson.

K13WA St. Louis, MO. KWA TV, Inc.

K210D St. Louis, MO. Ken Jacobsen K40CY St. Louis, MO. Television Interests Com-

K42DB St. Louis, MO. Triangle Television Com-

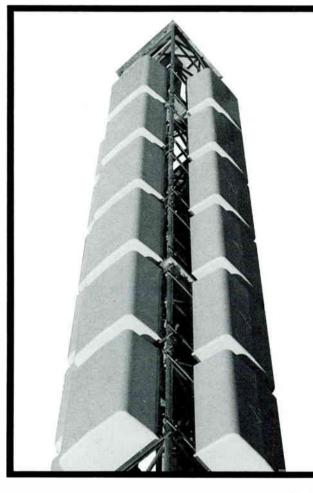
K64DT St. Louis, MO. Valuevision International,

K68DS St. Louis, MO. Triangle Television Com-

W02BG Biloxi, MS. Trinity Broadcasting Network (channel change requested to ch. 29).

W53AF Booneville, MS. Unity Broadcasting, Inc. W10BD Jackson, MS. Great Oaks Broadcasting Corporation.

W58BO Natchez, MS. Trinity Broadcasting continued



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K42BZ Bozeman, MT. Eagle Communications,

K33CW Hot Springs, MT. Hot Springs TV District.
K18AJ Kalispell, MT. KPAX Communications, Inc.
K26DD Kalispell, MT. Trinity Broadcasting Network

W35AV Black Mountain, NC. Cannell Communications, L.P.

W57BG Canton/Waynesville, NC. Cannell Communications, L.P.

W11BY Charlotte, NC. HSN Communications,

W26AZ Charlotte, NC. Triangle Television Company (channel change requested to ch. 25).

W52BG Charlotte, NC. Karen K. Holland. W29AX Greensboro, NC. Silvia M. Landin. W44AO Pinehurst, NC. Mark Evans. W38BB Raleigh, NC. Trinity Broadcasting Net-

W66BO Raleigh, NC. Christina M. Berry. W67CD Sanford, NC. Central Carolina Broadcasting Corporation, Inc.

W69BS Statesville, NC. Trinity Broadcasting Network (channel change requested to ch. 66). W30AS Weaverville, NC. Sidney Braverman. W10BZ Wilmington/Ogden, NC. Edward J. Bolton.

K22DQ Grand Forks, ND. Trinity Broadcasting Network.

K72DP Beaver Lake Area, NE. Beaver-Valentine Television, Inc. (channel change requested to ch. 20).

W58BY Conway, NH. Paugus Television, Inc. K63CD Alamogordo, NM. Vision Broadcasting Network. Inc.

K67BG Caballo, NM. New Mexico Broadcasting Co., Inc.

K19CM Farmington, NM. Pulitzer Broadcasting Company.

K60DR Farmington, NM. Regents of the University of New Mexico-Albuquerque.

K12NH Hobbs, NM. Pulitzer Broadcasting Company.

K55CB Hobbs, NM. Marsh Media of El Paso. K60BC Hobbs, NM. Pulitzer Broadcasting Company.

K74CY Horse Springs, NM. Pulitzer Broadcasting Company (channel change requested to ch. 66).

K65BQ Las Vegas, NM. Regents of University of New Mexico-Albuquerque.

K46CL Lovington, NM. Prime Time Video, Inc. (channel change requested to ch. 44).

K21DB Santa Fe, NM. Park Place Broadcasting Company.

K44CJ Tucumcari, NM. New Mexico Broadcasting Co., Inc.

K02JM Beatty, NV. Beatty Town Advisory Coun-

K04JK Beatty, NV. Beatty Town Advisory Council. K07PM Beatty, NV. Beatty Town Advisory Coun-

K61DJ Golconda, NV. Humboldt County. K17CT Las Vegas, NV. Charles K. Tootle. K19CS Las Vegas, NV. "Hey Buddy" Broadcasting Company.

K14AK Lovelock, NV. Pershing County, NV, TV District (channel change requested to ch. 18). K60DM Lovelock, NV. Pershing County, NV, TV

K69EO Lovelock, NV. Pershing County, NV, TV District (channel change requested to ch. 30). K04AK McDermitt, NV. Quinn River TV MaIntenance District (channel change requested to ch. 54).

K12LE McDermitt, NV. Quinn River TV MaIntenance District (channel change requested to ch. 52).

K13EN Orovada, NV. Quinn River TV MaIntenance District. K45AV Reno, NV. Trinity Broadcasting Network. W63BJ Amityville, NY. Michael A. Bogner. W58AV Buffalo, NY. Citizens Television System,

W57BP Nyack, NY. Bernard Marko. W12BZ Rome, NY. Kevin O'Kane.

W35AQ Syracuse, NY. Craig L. Fox (channel change requested to ch. 49).

W51BA Syracuse, NY. AGK Communications
Associates.

W30AV Canton, OH. Media-Com Television, Inc. W35AX Cleveland, OH. Media-Com Television, Inc.

W47BE Cleveland, OH. Breckenridge Broadcasting Company.

W53AX Cleveland, OH. Breckenridge Broadcasting Company.

W13BN Columbus, OH. North Central LPTV, Inc. W15AU Columbus, OH. Advanced Allied Communications Technologies, Inc.

W41BB Columbus, OH. Advanced Allied Communications Technologies, Inc.

W51BS Dayton, OH. Christina M. Berry. W56CA Delaware, OH. James N. Shaheen. W32AR Lexington, OH. Trinity Broadcasting Network.

W47BC Springfield, OH. Trinity Broadcasting Network.

W64BM Toledo, OH. Lonnie James. K46AN Elk City, OK. Northfork TV Translator System.

K21DC Lawton, OK. Locke Supply Company. K07UW Norman, OK. Gerald Brothers. K04NZ Tulsa, OK. Harry V. Tootle. K33DG Tulsa, OK. Tootlevision Broadcast Com-

K17CP Astoria, OR. Columbia River Television,

K30BN Coos Bay, OR. California-Oregon Broadcasting, Inc.

K45CV Corvallis, OR. Fisher Broadcasting, Inc.

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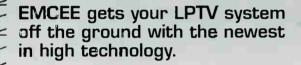
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K14HN Hillsboro, OR. Kenneth J. Seymour. K58BG Klamath Falls, OR. Trinity Broadcasting Network.

K16CB Portland, OR. Kenneth J. Seymour. K52AK Prineville, OR. KOIN-TV, Inc.

K54AP Prineville, OR. Fisher Broadcasting, Inc. K27DO Redmond, OR. Columbia River Television, Inc.

K67EX Rogue River, OR. Better Life Television. K21DE Seaside/Astoria, OR. Columbia River Television, Inc.

K20DD Tangent/Lebanon, OR. Columbia River Television, Inc.

K61BX The Dalles, OR. Fisher Broadcasting, Inc. K35CR Tillamook, OR. Columbia River Television. Inc.

W41AQ Berwick/Sybertsville, PA. Diocese of Scranton.

W72Al Pottsville, PA. WBRE-TV, Inc. (channel change requested to ch. 24).

W56CJ Red Lion, PA. Raystay Company (channel change requested to ch. 23).

W07BV Wilkes-Barre, PA. Diocese of Scranton. W10CB Wilkes-Barre, PA. Robert H. Shreffler. W21AR Bayamon/San Juan, PR. Juan Carlos Matos Barreto.

W66BJ Myrtle Beach, SC. Trinity Broadcasting Network.

K20DA Aberdeen, SD. Trinity Broadcasting Network.

K15CW Brookings SD. Sioux Valley Rural Telecommunications Cooperative, Inc.

K38CQ Huron, SD. Sioux Valley Rural Telecommunications Cooperative, Inc.

K57BX Lake Andes, SD. Midcontinent Broadcasting Company.

K27DB Madison, SD. Sioux Valley Rural Telecommunications Cooperative, Inc.

K63EE Mitchell, SD. Sioux Valley Rural Telecommunications Cooperative, Inc.

K29CG Oglala, SD. Loneman School, Inc. W56CM Knoxville, TN. Robert H. Shreffler. W16AT Memphis, TN. Janet Jacobsen. W36AM Memphis, TN. Video Jukebox Network,

W31AS Morristown, TN. Trinity Broadcasting Network.

W12BV Nashville, TN. South Central Communications Corporation.

K13VC Austin, TX. Global Information Technologies, Inc.
K09VO Beaumont, TX. Video Jukebox Network,

Inc.
K05IL Clear Lake City, TX. Far Eastern Tele-

casters. K69FW Clear Lake City, TX. Far Eastern Tele-

K69FW Clear Lake City, TX. Far Eastern Telecasters.

K45DB Corpus Christi, TX. Nicolas Communications Corporation, Inc.

K47DF Corpus Christi, TX. Diocesan Telecommunications Corporation.

K57FC Corpus Christi, TX. Nicolas Communications Corporation, Inc. K16BY Crockett, TX. Jim Gibbs.

K31CM Fort Worth, TX. Bill Trammell.
K33DB Houston, TX. Dupont Investment Group,
85 Ltd.

K56EK Killeen, TX. Rey F. Franco Perez. K22BG Lubbock, TX. Ramar Communications, Inc.

K42DA Paris, TX. Trinity Broadcasting Network. K33CK San Antonio, TX. DCH Evangelism Television. Inc.

K69FQ Snyder, TX. Ramar Communications, Inc. K12OK Temple, TX. Video Jukebox Network, Inc. K48DP Tyler, TX. Elva Denise Hinojosa.

K12OL Waco, TX. Summation Broadcasting Company.

K50CW Waco, TX. Richard W. Baker. K09VP Wichita Falls, TX. Video Jukebox Network, Inc.

K30DJ Wichita Falls, TX. ACTS of Wichita Falls, Inc.

K14IH George, UT. University of Utah (channel change requested to ch. 51).

K06AY Santa Clara, UT. Washington County Television Department (channel change requested to ch. 18). W62BL Hampton, VA. Valuevision International, Inc.

W40AL Ladysmith, VA. Caroline Community Broadcasting, Inc. (channel change requested to ch. 25).

W32BA Lynchburg, VA. Trinity Broadcasting Network.

W05BQ Norfolk, VA. The Union Mission. W24OI Norfolk, VA. Trinity Broadcasting Network. W56CS Portsmouth, VA. Eddie L. Whitehead. W56CP Roanoke, VA. Penny C. Wilmoth. W23AD Christiansted, VI. Kelly Guglielmi. K15DE Ellensburg, WA. Gaylord Broadcasting Company.

K63AW Grays River, WA. KOIN-TV, Inc. K67BJ Grays River/Lebam, WA. Rural Television Cooperative Association.

K64DW Seattle, WA. Krista Fordham. K17CJ Yakima, WA. Ronald Alan Theodore Bevins. K60EB Yakima, WA. Ronald Alan Theodore Bevins.

W15AB Grantsburg, WI. Chronotype Publishing Company.

W57BJ Green Bay, WI. Three Angels Broadcasting Network, Inc.

W11CE Madison, WI. Skywave Communications Corporation.

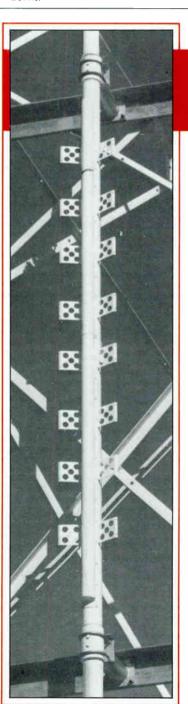
W08BY Milwaukee, WI. Charles Woods. W40AJ Oshkosh, WI. WCTV, Inc. (channel change requested to ch. 22).

W28AR Racine, Wl. Gaylord Broadcasting Company. W36BF Charleston, WV. John Walton.

W36BF Charleston, WV. John Walton.
W52BD Huntington, WV. National Minority TV,
Inc. (channel change requested to ch. 19).
K06JM Gillette, WY. Duhamel Broadcasting
Enterprises.

K35CN Green River, WY. Trinity Broadcasting Network.

CBP



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Why are more and more LPTV Operators choosing Andrew ALP-Series™ transmitting antennas and HELIAX® transmission lines?

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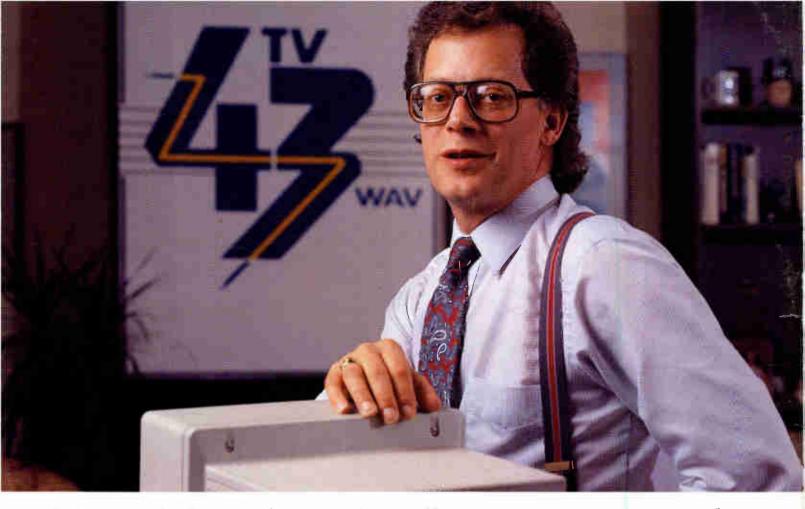
- ALP-Series[™] antennas simplify leasing tower space because they are smaller and lighter than other LPTV antennas, minimizing tower and wind loading.
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