YEA, THOUGH I WALK THROUGH THE VALLEY OF THE SHADOW OF DEATH, I SHALL FEAR NO EVIL . . . 'CAUSE I'M THE MEANEST, MADDEST CATV OPERATOR IN THE VALLEY!
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There's a new standard for perfection in signal processing – Jerrold's Commander III, a compatible family of heterodyne processors, modulators and accessories. Features include:

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For complete information, contact YOUR MAN FROM JERROLD or call or write us to request the new Commander III bulletin.
Ralph Terzini is Manager of Sales Service at our CATV cable plant. He’s the right man to know when you’re under pressure.

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With thirty years experience behind him, Ralph’s a pro. And like any true professional he’s used to pressure. In fact, being under pressure simply makes him perform at his best. And that makes your job easier.

Of course we make Ralph’s job as easy as possible by manufacturing the best CATV cable in the industry. After all, we’ve been making quality cable of all types for over fifty-three years.

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CCS
COMMUNICATION PRODUCTS
5707 WEST BUCKEYE ROAD, P.O. 14970 PHOENIX, ARIZONA 85063 (800–528–3341)
NEW TOCOM REMOTE CONTROL CABLE TV CONVERTERS TUNE UP TO 36 CHANNELS from the palm of your hand

New TOCOM DC-1000 Series Cable TV Converters use high reliability varactor tuning from a small palm-held calculator-styled remote control to turn a television set "on or off" as well as to select 32 or 36 channels of TV viewing.

The converter unit sits on top of the TV set or may be conveniently placed behind it. A built-in convenience outlet is available for powering the TV set and a 25 foot length of pliable, but tough control cable connects the remote control to the converter.

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A double balanced mixer and a high gain FET I.F. amplifier plus double conversion yields a state-of-the-art dynamic range and noise figure. Automatic frequency control is employed on all 50 through 300 MHz channels.

Two models are available — the DC-1032 for 32 channels and DC-1036 for 36 channels. Both models operate in 75 ohm cable systems.

Both the remote control and converter unit meet or exceed FCC and CSA standards. New TOCOM Remote Control Cable TV Converters are "Conveniently Priced," so don't miss them at TOCOM NCTA Booth 88.

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SUPPRESSED EMOTIONS

Those of us who have put in a reasonable tour of duty in the up-and-down world of CATV are well aware that just below the surface of this docile, mom-and-pop industry, there exists a seething resentment of (1) the FCC, (2) broadcasters, and (3) the networks; not necessarily in that order. During the past year or so, the energy bottled up within this industry has begun to leak out into the hostile world.

We fully expected the two-part series appearing in the March CATJ and in this issue of CATJ to do one of two things: (1) blow the lid off of the industry, or, (2) bring the industry several giant steps closer to a direct head-on confrontation with at least the FCC.

The March CATJ had been in the mails only a few days (traveling third-class postage is not exactly speedy!) when the CATA telephone began to ring off the wall. Within hours we had the full gamut of reaction, from (1) “Boy have you got a lot of guts...” to (2) “...and my attorney will call you in the morning...” In between these two extremes have been dozens of calls and telegrams saying pretty much what we expected they would say. But there have been a few calls which we did not expect; and chances are good that if the relatively docile March CATJ attracted that much interest, this issue will be selling for ten dollars a pop on the street corners of M Street in Washington by April 20th!

One of the more interesting calls came from an advertising type in New York, who discovered a March CATJ in a network executive’s office where he had gone to pitch a program package. The advertising type wondered if we were really leading up to an “expose” (his word) of network practices in our April issue. We assured him that our only interest in the networks was that as these giants of American industry became involved in the FCC’s handling of the public’s airwaves, we found that the FCC became less and less able to distinguish public interest from network interest.

“What about the network O & O stations?” the advertising type asked. We assured him that we had taken a hard look at O & O stations and would have several things to say about their “unusual profits” (our phrase) and some recommendations to make about their future operations (see Page 36).

“Do you know why O & O stations run three to one ahead on net dollars earned over their competition in the same markets?” the advertising man queried us. And before we could venture an educated guess or two, he plowed ahead with “...because they put pressure on big advertisers to use their spot-buy packages on the O & O stations as a condition to obtaining highly favorable commercial positions in network programs.”

Naturally we asked if he could substantiate that type of charge (we made a rule in planning this two-part report that whenever we crossed paths with some particularly intriguing anti-competitive or anti-CATV tidbit that unless we could verify the material through sworn statements or unimpeachable sources, we would not use it). His retort was, “If you get the Congressional hearings you are aiming for, they will have to use a computer to schedule the witnesses; they will line up for miles if the networks are investigated!”

At this point, no statement—sworn, authenticated, or however backed up—would surprise us, when it comes to the networks. Frankly, we know more about them than we care to know. When a summary of these reports was presented to the CATA Board of Directors late in February, one board member quipped (seriously we suspect, behind his nervous laugh), “Is your life insurance paid up boys?”

Perhaps we are being too dramatic. Perhaps we have become so close to the trees that we are having difficulty finding a way out of the forest. Six months of living with 25 years of television-industry history can do that to a person. Perhaps... just maybe, this whole business is not nearly as serious as we make it out to be. Maybe CATV would survive a network-dominated FCC, and perhaps we will find out. If these CATJ reports springboard us into Congressional hearings, we may all learn more than we want to know. If not, well, it was an interesting six months that we would not trade for all of the CATV subscribers in Manhattan!
We have enough faith in our products, our people and our customers to put it in writing. Not just a warranty, but a written performance guarantee. The only one in the industry. When you buy the SuperConnector, the SuperWarranty comes with it, for no additional charge. We tell you what you can expect and guarantee that you'll get it.

We think this is the way everybody should do business. Someday maybe everyone will. Meanwhile, isn't it nice to know that somebody thinks enough of their product to put it in writing?

We also say this: You can pay a lot more for your connectors. You can't buy a better connector.

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A subsidiary of Cambridge Screw Company, a Hi-G Company.
In a world by itself!

it's UNREEL™

The incredible new package that automatically boosts the installation cost of wire and cable. Here's nothing else like it...

- Convenient, lightweight design
- Perfect for long runs with no tension
- No need for tensioning devices
-与 space in transportation and at job site
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VAN LADDER, INC.

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For full information — call toll free 800-831-5051
“Managing a CATV station is a little like having three heads. I'm the boss, the news department and the commercial production office all rolled into one. But even a three-headed man gets only one paycheck, and we have to cut expenses wherever we can.

“The one thing we don't have to hassle with is this Kodak Supermatic 200 sound camera. At less than $426, it's relatively inexpensive. And, let me tell you it's one smart investment.

“It not only shoots lip-synch super 8 sound movies, but the built-in recorder gives me on-the-scene voice-over capabilities. You can also postdub a voice-over, music, or other effects on a recording projector. There's a 200-foot magazine for continuous shooting and a 50-foot magazine for shorter stories.

“There are no lights or cables. But I do keep an extra film cartridge and batteries in the glove compartment in case the news of the century breaks on my way to work. "If you want to know more than I've told you, just clip out this coupon. As for me, I've got a story to put on the air.”

Price is subject to change without notice.

Kodak Supermatic 200 sound camera.
Eastman Kodak Company
Department 640
Rochester, New York 14650

Please send me more information on the Kodak Supermatic 200 sound camera.

Name ___________________________
Station __________________________
Company __________________________
Address __________________________
City __________________________ Zip __________________________
C'mon to New Orleans!

Times has something you don't want to miss at booth #92 for this year's NCTA show!

Don't pass it up!

(203) 265-2361
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Wavetek's new CATV maintenance/checkout system.
Inexpensive...
and practically invisible.

You can use Wavetek's 1850 sweep and 1860 receiver to check out and maintain an operating CATV system, and the subscribers will probably never see a thing. Because the 1860 has the same incredibly fast (1ms) sweep pulse that our 1861 offers, but we've simplified the controls for faster set-up, put the electronics into rack configuration for head-end installation, and greatly lowered the price.

In fact, you can get both the sweep and the receiver for about $1725. The price seems even smaller when you consider that the sweep can be remotely controlled from the field and that the receiver has a tuned RF circuit for triggering a scope and an equalization network for test points and drop cable compensation.

So if you want to see how your system's doing without your subscribers seeing that you are, (and you can't see expanding a bundle of dough), we've got your numbers, 1850 and 1860. Send for complete specifications or call us collect to discuss your particular plant maintenance problems.

WAVETEK
INDIANA INCORPORATED
P.O. Box 90, 60 North First Avenue, Beach Grove, Indiana 46107
Phone (317) 763-8216 TWX #16-341-3226

10

CATJ for
CATV EXISTS BECAUSE THE FCC DROPPED THE BALL!!!

WHY CATV EXISTS

In the March issue of CATJ we recounted the history of FCC handling of television allocations. The Commission variously attempted to provide (a) one television channel service to every American home, (b) two television channels of service to as many of these homes as possible, and (c) three, four or five (or more) channels of service to as many of these homes as possible.

With some pride (or ignorance), the FCC today points at the present state of the television broadcast industry with a “see how well we did” attitude. Well, the Commission did not do well; not when you consider how much better they could have done. The Commission started with a clean slate in 1945-46. Unfortunately, they had very poor information to work with, and as they say in the computer biz, “garbage in equals garbage out.” So in 1948 the garbagged allocations table came home to roost, frightfully close to Washington, D.C. (see March CATJ, Page 13). And that shut the industry’s growth down.

Then followed a period of nearly four years in which the Commission found every possible excuse not to get television moving again, finally deciding that a new allocations table came home to roost, frightfully close to Washington, D.C. (see March CATJ, Page 13). And that shut the industry’s growth down.

Then followed a period of nearly four years in which the Commission found every possible excuse not to get television moving again, finally deciding that a new allocations table would have to be based as a start on the then existing 107 television stations authorized and on the air. Once again, “garbage in equals garbage out,” and the allocations table released by the Commission in 1952 had plenty of garbage going in. For example:

(1) VHF and UHF channels were freely inter-mixed in many (most) markets, and the world was not then ready for UHF (some say it still is not ready!);

(2) The Commission tried to build an allocations table around the concept that every area should have its own (local) television outlet; a false premise if there ever was one, because of the complete failure to consider the economics of building and operating a television station in Ely, Nv.;

(3) Pressure from educational broadcast interests forced the Commission to give away many valuable VHF channels in markets where the VHF channel was much more important to the successful development of a viable, competitive local television service than it was (or would be) to the development of a perfectly adequate ETV/PBS service;

(4) The Commission adopted rigid regulatory postures in handling any and all deviations from the sacred allocations table of 1952, and refuses to accept (or admit) to this day that the allocations table is substantially the cause of many (or most) of their problems with CATV and adequate television service (an objective to shoot at) for rural America.

The Commission’s allocations table started out with the premise that the top 140+ marketing centers of the nation should have (if possible) four commercial TV channel allocations. Where
possible, these would be VHF allocations: where not possible, they would be UHF. Initially, VHF and UHF were mixed up on the (false) premise that UHF would work just as well as VHF. Now calculating the top 140+ market centers in the nation should be no big trick: simply take population centers, measure the economic activity in each, and rank them according to the people-dollars spent annually in each. If the initial 140+ market centers the Commission worked with were ever defined for outage scrutiny, such a list has escaped our editorial research here at CATJ. We believe, however, it is reasonable to assume that the top 140+ market centers of 1949-1952 would not be the same as those which ARB, or others, set forth today. A market center in 1975 is variously defined as "the trading area served by one or more television broadcast stations." In a very real sense, the existence of trading areas in 1975 (i.e. market areas or market centers) is almost wholly dependent upon the combined coverage areas of three or more on the air television stations. In the eyes of most market research people, anytime you have a "cluster of three or more television stations providing three networks of service, you have a market area." Some of these clusters are pretty idiotic, and they stretch credibility just a tad. For example:

1. Hartford/New Haven (CT) – Market number 21. From the center of Hartford to the center of New Haven is 59 miles, across a good part of Connecticut. Hartford has a population in excess of 158,000 and New Haven a population in excess of 137,000. Hartford is allocated channels 3, 18 and 65 (sufficient for three network stations), while New Haven is allocated channels 9 and 59 for commercial use. When New Haven's 8 and 59 are grouped with nearby Bridgeport's 43, New Haven also has three commercial channels, again, sufficient for three network stations. But the market is three-mixed (i.e. VHF and UHF), so channel 3 VHF became CBS, channel 5 VHF became ABC, and two stations (one serving Hartford and one serving New Haven) on UHF became NBC. The wide area coverage of the channel 3 CBS station and the channel 5 ABC station make this a single market to the eyes of people who calculate such things, even though NBC requires two UHF affiliates to cover the "market."

2. Harrisburg/Lebanon-York-Lancaster PA – Market number 53. If you left Harrisburg, drove to Lebanon, headed south to York, back through Lancaster, to your starting point in downtown Harrisburg, you would travel 139 miles. The "market" has one ABC station (in Harrisburg), one NBC station (the only VHF station in the market), and three count them friends) CBS stations (one each in Lebanon, Harrisburg, and York). What makes this 139 mile round trip circuit a "market"? Probably the wide area coverage of Lancaster's channel 8, although its large VHF coverage area is filled-in by bits and pieces of up to three competitive network affiliates (CBS).

In the top 146 markets, there are 22 "markets" created by the happenstance location of VHF (or UHF) stations that provide the three basic network services, that include two or more distinct and separate communities with these communities located 50 miles or more apart. (There is also the 30 mile separation of Plattsburg, New York and Burlington, Vt. – Market number 120 – where to travel between the two towns is the market you must ride a nine mile ferry across Lake Champlain!)

But the really gross misuse of federal power shines through in North Dakota, where the statisticians have created the "Minot/Bismarck/Dickinson Market" (number 196). For those who have never traveled this part of the world, about the flintiest (i.e. good road) route from Minot to Dickinson is through Bismarck. Now from Minot to Bismarck's a mere 112 miles. On to Dickinson, however, is another 93 miles, making a total of 205 highway miles to travel from one of the three cities in the "market" to one of the other cities in the "market."
Naturally, even in North Dakota with tall towers, no single station can deliver Grade "A" pictures into all three towns. But the North Dakota broadcasters are pretty sharp. And it goes like this:

1. KFYR, Bismarck, NBC operates two satellite stations. KMOT serves Minot with NBC programs (KFYR satellite), while KUMV serves north western North Dakota with KFYR-NBC programs.
2. KXMC, Minot, CBS/ABC operates satellite station KXMB, which serves Bismarck, and XXMD, which serves the same area as Bismarck's KFYR operated satellite KUMV.
3. KDIK, Dickinson, ABC/CBS doesn't own any satellites (yet), so it just serves Dickinson and the surrounding wheat fields.

Now between KFYR, KXMC and KDIK, the Washington statisticians figure they have a market; even though dual-affiliates KXMC/Minot (CBS/ABC) and KDIK/Dickinson (ABC/CBS) may both be carrying CBS's Mauzoe at the same time (thereby leaving the "market" without an ABC program for that period). To rub salt in the wound of the local residents, neither KXMC Minot nor KFYR Bismarck ever reaches into Dickinson with as much as a grade "B" signal, so the Dickinson part of the three-part market doesn't even have two (not to speak of three) network service. Naturally KDIK Dickinson does not reach into either Bismarck or Minot, so they have at best two networks of service at a time.

The examples of statistical misuse of "market designations" abound in the television allocations table. The Bismarck/Minot/Dickinson example is one of the most flagrant examples of misuse of statistical power. The FCC wants a market to be an area served by at least three networks of service. Obviously someone stretched a few facts in the North Dakota example; they traveled over a 205-mile highway route to find three stations that have three separate network affiliates and called it a market. What makes matters worse is that Bismarck has allocations for channels 5, 12 and 17 (i.e. one for each network), Minot has allocations for channels 10, 13 and 14 (i.e. one for each network), and Dickinson has allocations for channels 2 and 7 (i.e. one for each of two networks). But as long as the FCC propagates the absurd definition of the 205-mile-long "market," none will ever see three networks of local service.

On the other end of the string is Albany, Ga.; Market number 144, Albany has three channels allocated (i.e. one for each of the three networks), but even today only one channel is active (WALB, channel 10). The two remaining allocated but fallow channels are, you guessed it, UHF channels 19 and 31. Somehow, in the federal mentality, Albany is a market all by itself (many others are also); probably because even by stretching mileage as they did in North Dakota, they could not find two more stations to group into a three-station market.

This would be a good point to re-emphasize that when the Commission proudly unveiled the master allocations table in 1952, the whole pitch was for "local television outlets to serve local needs" in a couple of thousand communities. The concept of regional television coverage was shunned in favor of local television outlets/coverage. If the ensuing 21 years, this whole concept has all but been abandoned by the constant pressures of the three networks to group stations into regional packages which advertisers address as "markets." In 1954, the famous Plotkin Memo (see Page 16 of this issue of CATJ) brought down the wrath of network New York on the Commission and perhaps the Senate when it "dared to seek vital information concerning..."
network affiliation agreements vs. station coverage zones." That was the only time network domination of the FCC allocations program was ever seriously endangered; the accusations of the Plotkin Memo sank as fast as they surfaced, under pressure from Republican members of the Magnuson Committee.

So CATJ makes this accusation to the FCC, Congress, the networks, and whomever else may be listening:

"The FCC got itself into the present allocations mess, which must include the dishonorable manner in which the Commission has handled the UHF parity question, by allowing itself to be subservient to the major networks. Perhaps the Commission was never really aware of what it was the networks were doing to the public airwaves, although that seems incredible in perspective today. Perhaps the networks are so sharp and so smart that they have totally cloaked a poor, unsuspecting FCC in layer upon layer of self-serving public interest. If this is true, then the best that can be said for the Commission is that it has to be one of the truly great dumb federal agencies of all time. On the other hand, if there have been past (or present) members of the Commission who have determined on their own that the networks were ready tuning the show for them, and they have done nothing about it, then the best that can be said for the Commission is that they have advocated public interest on one hand and acted to support private network interests on the other hand. And that dishonest discharge of their responsibility to the American public; pure and simple."

People Power vs. Network Power

RURAL AMERICA HAS NEVER GOTTEN A FAIR SHARE OF TELEVISION PROGRAMMING

In May 1949 FCC Chairman Wayne Coy met with a small group of CBS affiliates in New York City. He told them:

"People do not live just in cities, they live in those areas between the cities as well. And those people who live between the cities have the same right to be informed and entertained as those living in the cities."

A month later, at the annual NAB meeting in Chicago, FCC Chairman Coy told his broadcaster audience:

"The trend is toward television. Television is a new force unleashed in the land. I believe it is an irresistible force. It is a technological discovery which the people want and demand. It is not something which you have to high pressure the public into buying. In those metropolitan areas where it is already available, it has met with sensational acceptance."

But don't think that the people outside the metropolitan areas are going to be content to grow old gracefully, while TV passes them by. The day of the hinterland, the provinces, the backwoods, and the 'sticks' of America has passed."

Chairman Coy, an inexhaustible public speaker, appeared next before the New York Rotary Club where he said:

"Television is a revolutionary new type of broadcasting. It will speed our industrial processes, facilitate our merchandising methods, stimulate and inform the masses of our population. This electronic miracle will raise our American standard of living to new heights.

The American people have taken this new art to their heart with such enthusiasm that
they have dug down into their pockets and already purchased more than a half billion dollars worth of receivers. They are, in fact, buying the receivers as fast as they roll off the assembly lines.

The fact that mass communications (radio and television) was going to re-shape the "standards of America" did not pass by unnoticed in the United States Congress. A non-television matter before the Congress in 1949 offered United States Senator Edward Johnson (Colorado) to the Senate Commerce Committee an opportunity to disturb the Commission. The FCC was considering making select authorizations of power increases, from 50,000 watts to 500,000 watts, for so-called clear channel AM (standard) broadcast band stations. The Colorado Senator said:

"Such an action by the Commission will concentrate control of the (broadcasting) industry in three or four New York and Chicago corporations which own 15 major (clear channel) stations.

The aggrieved Commission is bogged down in the technicalities and red tape of their own creation. They are guilty of delaying processing of new broadcast applications and of bypassing their own regulations when it suits them to do so."

In 1951, while the FCC was wrestling with the new television allocations matter, Frieda Hennock of the FCC Commission launched a fight to secure for the nation's educators a permanent reservation of 25% of all of the new (to-be) allocated television channels. Speaking before the New York Women's Advertising Club, the Commissioner said:

"The Commission, and I am a part of it, must fulfill our statutory mandate under the Communications Act of 1934. We are obligated to constantly study new uses for radio, provide experimental uses of frequencies, and generally encourage the larger and more effective use of radio in the public interest. The Commission has a duty to look into the future. We cannot be content with what we have here today. We must look towards tomorrow, to see what new developments radio may bring to make us more secure, more happy, and more comfortable.

Congress has been quite explicit in defining the duties of the FCC. It is our duty, as assigned by Congress, to assure that the responsible domain of the airwaves, the property of the people of the United States of America, shall be constantly utilized in the public interest. And this means nothing more, nor less, than these uses shall be for the benefit of the people of the United States.

The burden for the improvement of the quality of American broadcasting lies squarely on the shoulders of the public and the broadcasters. Every citizen must take broadcasting seriously, for it will, in any event, have a great effect on our lives and the futures of us all."

The burden of self-responsibility, banded to the broadcasters of the early 50's by the FCC, was more than some Senators could stomach. Senator William Benton proposed a bill which called for the formation of a National Citizens Advisory Board on radio and television. The Senator said:

"Now, when television is still in its infancy, would be the best time to do some wise and thorough thinking about what we are going to do with television, so we can lay down the optimum guidelines for its development. If we miss it now (1951), we may not only miss it for a generation, but for keeps. This Advisory Board should perform an annual review of how the licensees of radio and television stations are living up to their responsibilities for public service and education, and how they are performing in line with the promises they made when they applied for their license. There is no viewers or listeners lobby in Washington, and the FCC has neither the time, nor authority, to actively seek out, marshal, and crystallize public opinion."

The question of public interest (broadly defined as that which is in the best interest of the public) came up again in the middle of the FCC's hearings on approval of a color system for the nation. During one session of FCC hearings, NBC President John H. McConnell told the FCC:

"If you approve the CBS color system, which does not produce black and white pictures on regular (i.e. not specially equipped)
black and white receivers, broadcasters would be unable to transmit color during the choice (prime was not the word then) evening hours unless there would be a substantial loss in audience for black and white receivers not equipped with converters for the colorcasts.

The implication that this would slow down color acceptance (i.e., no choice of color programming), and disinterest the large public sector without special color receivers or converters was clear.

The possibility that the United States Supreme Court would get squarely in the middle of "public interest vs. the FCC" arose in the high court's review of the FCC award of color standards to the CBS field sequential system. In mid-1961 the high court ruled that the FCC was correct in their assumption of the right to set and approve color TV standards. However, the Court also said:

"The CBS field sequential color system utilizes old knowledge, and this system has created a local point of contention by those who declare the mechanical wheel is an antiquated system. It is a fact that existing black and white receivers are not constructed in such a way that they can, without considerable adjustments, receive CBS colorcasts, either in color or in black and white. This makes the system incompatible with millions of receivers now in the hands of the public.

The wisdom of this (FCC) decision can be contested, as shown by the dissenting vote of two Commissioners.

However, courts should not override an administrative decision made, because they disagree with its wisdom."

So the high court found the Commission correct in their assumption of authority to prescribe standards and approve a system that performed according to those standards, but it also found the FCC lacking in wisdom for approving the CBS color system. In a word, the FCC had made a dumb decision, and potentially millions of TV receivers would pay the price.

During this era of handling the future of the nation's television airwaves, perhaps the most searing indictment of the FCC's handling of the public responsibility came during 1965. Senator Warren G. Magnuson, through the Senate Interstate and Foreign Commerce Committee, was right in the middle of another round of investigations of the FCC's handling of the UHF/VHF allocations tangle. An aide in the Senate Committee, former FCC Staff Attorney Harry M. Plotkin, released to the Committee something later dubbed the Plotkin Memo. In it, Attorney Plotkin said of the problem:

"The public has a legitimate interest in the way that network affiliations are granted. In the first place, the network (affiliation agreement) tie is a most valuable asset for all television stations, and is the difference between success and failure for stations.

UHF stations have an even greater difficulty in securing network affiliation; service, and unless they are able to secure such service on a fairly extensible scale, successful UHF operation is very difficult. There is a good prospect that a large part of the radio spectrum will go unused.

Television stations and networks tend to cloud the matter of program duplication on two or more outlets simultaneously as a very easy issue. They don't want to talk about the standards that networks initiate to determine where duplication does and does not take place.

Accordingly, networks should be required to publish and file with the Commission the standards they purport to follow in determining what is excessive duplication of service areas, in awarding network affiliations."

Picking up on the Plotkin Memo theme, the Senate Interstate and Foreign Commerce Committee's Majority Counsel, Sid Davis, tried to run with the ball. He urged the Committee to:

"...institute a full hearing into the network ties with advertisers, agencies, advertising rates, discounts and multiple ownership, program packages, and other affiliated problems."

Davis was hoping to get sufficient data to get to the root of the difficulties which UHF stations were having in
staying on the air and serving their public. Officially, Davis resigned from his post as Majority Counsel because of "ill health". But everyone in Washington knew that his insistence that all program and network affiliation problems be looked into was heavily opposed by many of the Republican members of the probe group. So, the investigation into program affiliation practices never did take place, even after the firey Plotkin Memo had opened the door a crack.

While this investigation was moving along, Senator Magnuson took another swipe at the FCC's lack of action to provide assistance to the UHF broadcasters, who were by 1955 leaving the air faster than new stations could replace the drop-outs. Magnuson told the Commission:

"The Commission has a real and moral responsibility to inform the public as quickly as possible as to what the FCC expects to do about de-intermixure (i.e., separate areas for VHF and UHF). Every day the Commission delays such a pronouncement, large sums of money continue to be invested by the public in converting, or purchasing, sets so that UHF signals can be received. Yet, if the experience of the past two years (i.e., substantial numbers of UHF stations leaving the air) is any guide, many of these people may be making a futile expenditure."

When the Senate Commerce Committee became embroiled in the intense on-going study of why the Commission's UHF plan was failing, the Chairman of the Commission, George C. McConnaughey, was testifying before the group. The Chairman was attempting to explain all of the problems the Commission was having when Senator Pastore interrupted him saying:

"These explanations don't suggest you people know what you are really doing. We have got to act fast and get the allocation problem really straightened out, once and for all."

This was in early 1956. More than one year later, the hearings dragged on, and the FCC was still promising to correct the problem. The "current plan", in the early months of 1957, was to create zones of UHF stations and zones of VHF stations (an early form of de-intermixure). The VHF stations who were being "requested" to move to UHF (so as to create all UHF service in their respective areas) were clamoring loud and long at the time. One FCC Commissioner, John C. Doerfer, tired quickly of the cries of protest from the established VHF stations who would be required to move with the plan, and the UHF stations crying for help. Finally, he made a double edged statement that ended up being basically in favor of the establishment. Doerfer said:

"Yes, the spectrum does belong to the public, not the broadcasters. Nevertheless, the prior claims of those entitled to a first service and an equitable distribution of unequal facilities are new to be subrogated for the competitive well being of a few broadcasters."

Doerfer was saying, "Yes, we recognize that VHF/UHF intermixing is a bad program; and sure, the public is the loser when stations come on the air, stay on for awhile, and then go off. But why should we try to penalize the early stations just to straighten this mess out?" In the end, this view was to carry four Commission votes, and the de-intermixure program would be set back many more years before technology would bring UHF up to VHF.

All in all, during the period 1948-1957, there really were very few statements made about the airwaves being public property. FCC Chairman Wayne Coy, prior to his departure from the FCC in 1952, eluded the fact that the public was entitled to service from the airwaves. He would never go so far as to come right out and proclaim the tenants of the Communications Act of 1934.

FCC Commissioner Frieda Hennock liked to lean on the 1934 crutch, especially when she was out selling her favorite topic, 25% of all channels being reserved for ETV. Basically, to Com-

APRIL, 1976 17
missioner Hennock, the airwaves were the public's property. But she felt the educators were a better grade of public than the average guy walking down the street, and therefore more entitled to special services.

A handful of Senators waved the public flag during those years, but strangely none mounted the soap box permanently. They merely used it as a stepping stone in their travels. Senator Johnson (Colorado) came the closest to being an on-going supporter of the public's rights to the airwaves, although he stopped short of that by standing just a little bit to the right of Chairman Coy and contending that the public had the right to the services of the airwaves. Senator Johnson was clearly disturbed by the possibility that a handful of major corporations might one day end up controlling the airwaves. Unfortunately, he had left the Senate to become Governor of Colorado by the time Senators Magnuson and Pastore put on their questionable shows for the press in 1954-55.

Senator Magnuson displayed most of his concern for the public investing money in worthless UHF receiving equipment should the Commission abandon UHF (it was talked about for awhile). He was interested in the public interest, but he stopped far short of believing the airwaves themselves were public domain.

Senator Pastore just wanted to get things straightened out. By 1956 he was tired of being on the hot seat, and had lost confidence in the expertise of the Commission. His will later prevailed when an ad hoc committee of industry people (again, many large broadcasters) was impaneled to develop recommendations separate from the Commission (see companion report in the March issue of CATJ: The UHF Paradox).

There are some who might place the people's sword in the hands of Senator William Benton, who in 1951 proposed the Citizens Advisory Board on Radio and Television. Benton was less concerned about the public being served, than he was about the public being mis- served. The Director of Federal Prisons had prevailed on Benton to give some thought to the quality of television programming, because in the director's personal view "the over-abundance of murders and muggings on television is going to turn our society into a police nightmare". The prison's director wanted violence toned down on television, and to Benton, that meant that someone had to set up an agency to monitor station programs (and program performance). He either left the 1954 Communications Act barred the FCC from entering the program censorship arena, or he thought the world needed another federal agency, when he drafted his bill calling for such a committee. The bill never got off the ground. Senator Benton was right about one thing when he said, "If we miss the opportunity to lay down some optimum guidelines for the development of television now—1951, we may miss it not only for a generation, but for keeps." In the ensuing generation, television violence has of course increased, and its permissiveness has expanded twenty fold. One cannot help but wonder how Senator Benton and the Federal Director of Prisons would view the current ABC hit "HOT L Baltimore"!

Finally, there was the Plotkin Memo. Young Harry apparently scared the pants off of some pretty important network people in New York. His memo, when first handed to Senator Magnuson, created a sensation in Washington. It scared NBC and CBS for their dominance of the airwaves. Senator Magnuson was so upset by the Memo's accusations, that he ordered copies immediately transmitted to the Department of Justice and the Federal Communications Commission. The FCC was specifically asked
by Senator Magnuson to "set up a con-
tinuing investigation into this matter
and the (Plotkin) recommendations of-
fered, and to submit reports every 60
days to the Senator, with a final report
in 180 days".

Of course, the Commission did noth-
ing of the sort. More than a year later,
Attorney Sidney Davis, saddled with
making sense of the Plotkin Memo rec-
commendations, would "resign due to ill
health" when he tried to push for open
hearings of the network practices of
that time.

Today, Harry M. Plotkin is a partner
in the Washington law firm of Arent,
Fox, Kintner, Plotkin and Kahn.
Plotkin's firm, according to FCC rec-
ords, represents very few television
broadcasters. It seems the networks
have a very long memory. Maybe some
day Harry Plotkin will tell it like it
really was. It would make interesting
reading, and would perhaps make good
testimony.

Let's Talk Specifics

RURAL TV TODAY—22.4
MILLION FORGOTTEN HOMES

RURAL TV TODAY

All right, so the FCC has (with the
able assistance of the networks and the
marketing measurement people) cre-
ated a gerrymandered allocations table
that purports to make television ser-
vice available to virtually all of Ameri-
ca.

FCC Chairman Wayne Coy, in 1949,
made the comment that "rural people
are important people too" and that he
doubted "they will be content to see
the miracle of television pass them
by."

Naturally they have not been con-
tent, and where the federal govern-
ment has not provided for them, they
have, rightfully, provided for them-

selves. While many of those unserved
homes depend upon Community An-
tenna Television Systems, many addi-
tional rural residents depend upon
something called a "booster," or as it is
now known, a "television translator."

A cable system utilizes none of the
public airwaves. It receives television
signals on a tall tower or atop a nearby
hill and carries the received signals to
the nearby homes through a secure
(i.e. enclosed) piece of (coaxial) cable.

Unlike broadcast stations, which oc-
cupy their "share" of the public broad-
cast spectrum, CATV systems com-
municate (or send) signals from their
antenna-receiving site to the inter-con-
ected homes entirely within the pri-
ivate (i.e. not public) spectrum of the
system's coaxial cable. CATV systems
are therefore very efficient communi-
cation systems, because they communi-
cate without borrowing or sharing any
portion of the FCC-regulated air-
waves. Clearly, the basis for regulation
of CATV cannot be the mere occupa-
cy of (radio/television) public spec-
trum space, because CATV occupies
none of the spectrum! Yet the basis for

APRIL, 1975 19
the 1934 Communications Act (and the fcc’s predecessor, the 1927 radio act) was the orderly control (through regulation) of the private use of the public radio spectrum. how the commission backed into the regulation of catv and assumed authority for catv regulation is discussed further on in this issue of catj.

a television booster, or translator, on the other hand, does utilize a portion of the public spectrum. under the 1934 communications act, the fcc is clearly charged with regulating and promoting the most efficient use of this “spectrum” of public property.

a television booster/translator locates its receiving antennas atop a tall tower or on a local hill/mountain, just as a catv system does. then it rebroadcasts (through the air and within the public airwaves spectrum) the received signals. it avoids interference by rebroadcasting signals on different channels than it receives on; for example, a television signal on channel 2 may be rebroadcast by a translator on uhf channel 55. residents of the area near the booster/translator tune their receivers (antennas, etc.) to channel 55, for example, to receive the original broadcast that left the television station on channel 2.

because translator signals are broadcast into the air, all that anyone in its operating/coverge area needs to receive its broadcasts is an antenna and a receiver, both of which are located on the premises of the viewer. this creates a problem for financing of translators. where a cable operator has a very quick and convenient method of disconnecting cable subscribers who refuse to pay for the service (i.e., simply unplugging the home from the master system), a translator system entrepreneur does not have that option. when someone does not wish to pay, he continues to receive the benefits of the translator unless the translator itself is shut off, in which case all of the viewers in the area lose service. there is no “selective way” for a translator operator to cut off one non-paying viewer, anymore than there is a selective way for wnbw in washington to selectively decide that certain viewers in chevy chase shall not receive wnbw, for example.

translators began in the west, where residents of states such as the Dakotas, Idaho, Montana, Colorado, New Mexico, and Utah simply took matters into their own hands. the technology for constructing booster/translator TV signal repeating devices was widely known. the equipment is piece together such a device was readily available off the shelf (much of it came from the catv industry of that era). all a man needed was a half dozen ready-built electronic boxes, some cable to connect them together, and a set of antennas; one to receive the distant broadcast and one to re-transmit the broadcast over his community or valley.

because boosters/translator’s utilized public airwaves and had the potential ability to produce interference to other communication services, the FCC got very interested in them as soon as they sprang up in the mountain states. it did what you might expect; it sent out a warning that such devices were illegal, that is, they were operating transmitters which had not been licensed by the FCC and that they were to be shut down. promptly.

well, it was easy for Washington bureaucrats to issue such a statement. after all, they sat in the comfort of their snug Washington offices, and they had all of the television they wanted at the mere flick of a switch. But to residents of Coalville, Co., the FCC statement was absurd. to the people of Coaldale population 900, television had been a long time coming. What’s more, they knew that they were never going to have television signals in their town unless they pro-

20

CATJ for
vided for them on their own. Shutting off their "booster station" was not a temporary deprivation of television; it was a permanent loss. Without the booster, there would be television to Coaldale!

When the FCC’s field engineering office in Denver set out to enforce the Washington order, they (literally) ran into armed resistance in places like Coaldale. It didn’t take long for word to get back to Washington, and a few Senators who heard from irate small town folk wasted no time issuing a statement to the FCC. Senators Wayne Morse, Warren Magnuson, and Henry M. Jackson told the Commission in the fall of 1955:

"...this situation exists because the present rules of the FCC represent a stumbling block to the installation and operation of short-range, inexpensive booster stations needed in these rural communities. We urge that the FCC promptly establish a set of rules so that small towns can have service that larger communities have, without interference. "It is the responsibility of the Commission to make television service available to everyone, and the citizens of small communities should not be penalized because of the slowness of the FCC in formulating a set of regulations...""

Again, this was in the fall of 1955. When Senator Pastore conducted hearings in 1956, the FCC said they were "looking into a new type of service they called translators," to make television service possible for small communities. But the Commission had not yet learned the UHF lesson, and they were proposing that all television devices be confined to UHF channels. They kicked around numbers before Senator Pastore’s committee, like $10,000 per channel for a community.

APRIL, 1975
but no one thought to ask how a $10,000-per-channel translator made any sense for Coaldale, Co., population 50.

So the FCC "studied the problem" and tried their best to enforce the Washington-issued order to shut down all illegal boosters/ translators. And very nervous FCC field personnel scoured the West looking for people who had the nerve to go out on their own and install "illegal boosters"; shutting them down, and later confiscating the equipment, wherever they were found. Hundreds were tracked down and shut off. And as fast as the federal agents shut one down on a ridge east of town, the townspeople would build a new one on the west ridge of town turning it back on as soon as the federal people left town. Enforcing the anti-booster regulation was about as much fun and as successful as enforcing prohibition.

By early fall in 1956, Colorado's new Governor, former United States Senator Ed Johnson (recall that Johnson served as Chairman of the Senate Interstate and Foreign Commerce Committee), issued a state proclamation that put Washington on notice, by releasing a trio of executive orders:

"This office (the office of Governor) hereby proclaims that the continued television service made possible throughout the State of Colorado by devices variously known as boosters, repeaters and translators, shall, by executive order, be allowed to continue in operation; not withstanding the existence of federal orders issued by the Federal Communications Commission to shut these units off and to dismantle them."

The FCC Legal Department backed way off, in a hurry. For the time being, they were content to let the courts look at the matter, because as one FCC attorney said, "We have no desire to tangle with Governor Johnson." The Governor said things like "Colorado is going to test the arbitrary and incomprehensible action of the FCC to deny entertainment and education to the people of isolated areas"; and the voters loved him for it.

Meanwhile the Commission rushed out its program for an all-UHF translator program, for areas like Colorado, they said. Former Senator Johnson
was still close to Washington when the first UHF licensees started trudging back to Washington with licenses in hand, to turn their licenses in while they were on their way to the unemployment line and to file for bankrupt- tecture. Governor Johnson knew well what a fiasco UHF was turning out to be, and he wanted no part of it for the Coaldales of his state. So he told the Commission:

"Your approved (UHF) translator plan may be splendid for the Atlantic Seaboard, but it will not work in the Rocky Mountains. What is wrong with two different systems in the country? Just because you have found something that you believe may fit the areas with which you are familiar, please don't fore it down our throats arbitrarily. Why are you picking on us mountain folk? We are people, too."

By the fall of 1957, the problem was still not solved. The FCC was still intent on making a UHF translator service work, just as it was intent on making a UHF broadcast service work; even if it bankrupted hundreds of television broadcasters (who were foolish enough to try UHF) in the process. So in the fall of 1957, a new Governor of Colorado, Steve McNichols, took up where former Governor and ex-Senator Johnson had left off. Again a Colorado Governor appealed to the FCC bureaucracies with:

"...VHF boosters are preferable to and better adapted to the western geographical conditions than UHF translators. VHF boosters are less expensive, which means they can serve smaller pockets of people—pockets too small to afford UHF translators. I urge that both VHF boosters and UHF translators be legalized jointly, with each being used where each can best be used to provide service."

And that was 1957, some three years after the existence of illegal VHF boosters became known to the FCC. What did the Commission finally do with VHF boosters? In 1961, they authorized their operation, under federal control. But it took seven long, hard years for the Commission to wrestle out a solution to the very simple, un- complex, technical problem. Considering it took them three and a half years to wrestle out a lousy solution to the color and allocation problems, Commission handling of boosters in perspective was about par for the agency.

Today there are approximately 2,900 FCC-licensed VHF booster/ translators and UHF translators in operation slightly more than 2,000 VHF, and the balance (900) UHF. Not surprisingly, 542 (19%) of the existing operating translators (VHF and UHF) are owned and operated by television broadcast stations. Station-owned and operated translators are confined to operation within the station's predicted Grade B (regular service) contours, but they often become a new kind of weapon or tool for the broadcast engineer.

One example should suffice: assume a television station wants to make operation as difficult for a CATV system as possible. The television station (say it operates on channel 13) wants a CATV system to carry only its (exam- ple) CBS programs, and not those from another CBS station 100 miles away, operating on channel 7. So the channel 13 station receives FCC permission to build a VHF translator on channel 7 in or near the town where the CATV sys- tem is operating, knowing that by so doing, the translator will cause such had interference to the CATV system's reception of the channel 7 regular station that the CATV system will not be able to deliver that station to its sub- scribes. The channel 13 station wins, and the CATV subscribers lose, because they lose a station which the cab- able system could otherwise (legally) provide service from.

SO TO TODAY...

Millions of American homes are to- day, even with translators, with boost- ers, with cable, and with the primary broadcast stations and their satellite
stations, without adequate television reception.

So what is adequate television? One channel? Three channels? Five channels?

Competition for viewers is the creed of the broadcasters. The FCC has set the pattern for networks: there shall not be more than three, if the FCC has anything to say about it. Their handling of the allocations mess has been

to that.

So it is basic that if there are three national networks, that any definition of adequate or minimum service levels to all American homes must include reception from stations which provide real-time (i.e., simultaneous) choice of network programming from all three networks. Right away we have three in our number pot.

Former FCC Commissioner Frieda Hennock wanted to reserve 25% of all television allocations (i.e., channels) for educational use; in the final analysis, less than 15% went to the educators, but even that number strongly suggests that every home should have access to no less than one educational (i.e., public broadcast) outlet. So now we have four in our number pot.

And here is where we run into trouble: the more-than-four syndrome. Large market centers, such as Los Angeles and New York, have multiple outlets of non-network signals available. Had the FCC not set out almost deliberately to put the DuMont Network out of business by not providing channels for its affiliates in the same markets that CBS and NBC had affiliates, the basic service or adequate service criteria would have been four plus one (one being ETY); rather than three plus one. So virtually everyone, the FCC included, accepts that at least one non-network affiliated station is permissible.

ARKANSAS

ARKANSAS — Arkansas is not considered a particularly outback state, and yet approximately 75% of the state is outside of direct reception range for television stations affiliated with the now merged networks. In fact, black area is non-reception area; none of Arkansas receives signals from a non-network station.
What bothers CATV people the most is why the FCC should have the self-given authority to decide that CATV viewers in Pocahontas, Ar., are entitled to view, via cable, only three network signals, one ETV signal, and one independent (non-network) signal, while home viewers with rooftop antennas near Pocahontas are free to watch up to ten television stations by simply installing a $100 antenna on their roof and connecting it to their receiver. The FCC claims that to allow cable viewers in Pocahontas to receive more than five stations might severely cripple the continued television broadcasting of a station located 31 miles from Pocahontas, in Jonesboro. Pocahontas is singled out here not because it alone could (the FCC claims) cripple the economic well-being of the Jonesboro station, but because the cumulative effect of people within the Jonesboro station's service area watching too many television stations might (the FCC contends) be injurious to the economic health of the Jonesboro station. We'd explore that line of FCC reasoning, which plays right into the think-tank of the broadcasters and the networks, a little later on.

So anything more than five separate stations on a cable system is taboo for many CATV systems (others are "allowed" up to seven signals, made up of three network signals, one ETV/PBS signal and up to three non-network signals). The rationale behind this is unclear at best, as we shall see.

But what about the people in the country who would do cart-wheel flips for five stations? How many are there, like this?

The FCC, and the networks, would lead you to believe that these are insignificant numbers. Another government office would lead you to believe otherwise, and CATV agrees with the latter.

Anytime someone suggests that the FCC's mandated TV allocations (table's not doing its job, the FCC promptly rushes out a counter statement. That usually ends the matter, for the time being, because to date no Congressional office or committee has taken the
time to seek out the truth. Hopefully, a forum will be created in the near future, at which time the FCC will be asked to prove that its allocation table is bringing television to the rural areas.

For the time being, let's make reference to a study, accompanied by a report and a recommendation, released by the Office of Telecommunications Policy, in mid-February of this year.

A couple of years back, when now Acting Director of OTP, John Eger, was being questioned for confirmation to his present post by United States Senator Howard Baker of Tennessee, Eger explained to the Senator how he wanted to develop an OTP study to pinpoint those areas of the United States where inadequate television service existed. Subsequently OTP embarked on a study by commissioning the prestigious Denver Research Institute to look into the matter. DRI undertook first to determine, in phase one of their study, those areas of the
country which presently receive (1) no television reception, from any stations; (2) those areas of the country who receive fewer than three channels of television, and, (3) those areas of the country which receive fewer than five channels of television. The DRI study made no attempt to separate those areas receiving say three channels by whether the three channels were of different base network affiliations, or whether (as does occur in some areas) all three stations are affiliated with the same network. Obviously receiving three stations is of little benefit if all are say NBC affiliates, since three channels carrying the same program at the same time hardly contributes to viewer program selection diversity.

The DRI study, phase one, set out to measure coverage nonetheless, and it found that:

(A) Approximately 1,000,000 households, or 1.5% of all U.S. homes, are out of reach of any television stations (including ITV stations).

(B) Approximately 6,000,000 households, or 9% of all U.S. homes, are present or out of reach of three television stations (i.e., 0,000,000 homes do NOT receive three channels).

(C) Approximately 22,000,000 households, or 34.1% of all U.S. homes, do not receive five television stations.

Thus by the study commissioned by the President's Office of Telecommunications Policy, fully a third (+) of all U.S. households, today, more than 2 years after the FCC lifted the so-called allocations freeze in 1952, still do not have adequate (five channel or more) television coverage. The FCC may seek to deny these numbers, but they are, we believe, accurate nonetheless. The FCC's record is bad enough without our denial of this apparent basic truth.

As noted earlier, the DRI study dealt with the simple coverage of television station signals. For example, if you live in large portions of Cameron, Elk, Forest, and Potter counties in Pennsylvania (yes—Pennsylvania!), you are within reach of one television station only, that station is WPSX, a channel 3 educational television station. You are outside of the direct (i.e., unaided by cable) reach of any other stations. In the DRI study, the residents of these counties would be accorded "reception of one channel" and thus would not contribute to the figures for that segment of the population which receives no signals. Yet if you lived in these county areas in north-central Pennsylvania (such as in Willys, on Highway 219 north of Johnstown), you would hardly agree with DRI according you one-station status. We have not cherry-picked north-central Pennsylvania as an isolated example; there are literally hundreds of such examples all across the United States, just waiting for the proper Congressional forum to be clearly presented.

So DRI says:
(1) 1.5% of U.S. households do not receive one channel; (2) 9% of U.S. households do not receive three channels; (3) 34.1% of U.S. households do not receive five channels.

To which CATV can only add that our own research suggests that the numbers can easily be several times as large in the one-channel and three-channel categories, as perhaps as much as 40% of U.S. households in the five-channel category when you use our criteria for measurement not the physical number of channels received, but the number of different program services received. Again, receiving two channels is not very important if both are NBC affiliates and the dual reception offers no more program selection than you would have with a single channel of reception.

Still, the DRI study and the presentation by OTP's a forceful first step in the right direction. In mid-February,
the Acting Director of the Office of Telecommunications Policy (OTP) sent the reports from DRI along to the office of FCC Chairman Richard E. Wiley with a recommendation. OTP urged the FCC to:

1. Attempt to develop a hybrid plan that would allow CATV systems operating (now or in the future) in those areas which DRI identified as underserved to provide a combination service to both the local community (i.e. Wilcox, Pa.) and to the surrounding countryside (i.e. a radius of perhaps 20 miles of Wilcox, in northern Erie County, Pa.);

2. Modify existing FCC rules which "prohibit CATV operators from owning and operating translators" in the same area as their cable systems, so that through a combination of equip-
ment and personnel the cable opera-
tor could serve not only the town with
cable but the rural areas as well with
translators.
Under the present scheme of things,
the FCC allows everyone but cable sys-
tems to own and operate translators. This
includes radio and television broadcast stations, local non-profit
groups, local tax districts, local for-
profit translator companies, local city
and county governments. . . . everyone
BUT cable system operators. This
strange prohibition developed during
the late 50's and 60's when the Com-
mission was attempting to stop cable
by whatever means it could, and they
justified this divorce of cable and
translators at the time by trumping up
the story that cable and translators
were competitive mediums. Inter-
estingly, the possibility that the two
might be competition has never seri-
ously impaired the Commission's
granting of TV licenses to local new-
paper publishers, or to local radio sta-
ton operators, or to local newspaper
publishers and radio station operations
who also wanted a piece of the local
television picture. Apparently the FCC
has only been concerned about small,
isolated concentrations of media;
never large, regional concentrations of
media.

The DRI/OTP report, now in the
hands of the FCC, will never amount to
much unless Congress shows a keen
interest in the FCC's handling of tele-
visionallocation. The FCC has shown,
repeatedly, that it is better at foot
dragging and proposal burying than
virtually any other federal agency. The
powerful, well-entrenched broad-
casters will not like the OTP proposal
that 22,000,000 U.S. households should
have a minimum of five channels of
television service; and as long as they
do not like it, the exceedingly biased
FCC, taking its direction from the pow-
erful broadcasters and their lobby, will
never show the initiative to improve
the lot of 22,000,000 American families
now receiving inadequate television
reception. And that is hardly limited
to the present OTP proposal, whatever
its value. That is an across-the-board
indictment of the FCC, to ever do any-
thing that the present broadcast media
does not wish done.

**EMPHASISREQUIRED**
Merely having two or three channels of service (i.e., signal contour) is not sufficient if these channels broadcast the same network programs. To be defined as adequate service, three separate network services are required. That service has always meant "program selection."

APRIL, 1975
THE BROADCASTER'S MYTH OF TV BEING FREE IS SO MUCH HOT AIR!!!

A MORAL ISSUE

Unquestionably, the broadcasters of the United States are the most adept packagers of concepts that have ever winked the face of this earth. They are slick, polished, and skillful at their art. They package neatly and professional ly, and the American public buys their wares.

So skillful are they that for nearly two decades the powerful broadcast lobby has been selling the concept that over-the-air television is "free television" and anything else (i.e. cable) is non-free television. CATV has been called pay television, rented television, and CATV has been painted as ill American, immoral and contrary to motherhood and apple pie.

Naturally, it is all a skillfully contrived, smoothly delivered lie. The wonder of it all is that the cable industry has allowed it to be repeated over and over and over again.

The basis for the lie is that CATV systems charge money. And, to the shallow thinker, television broadcasters do not. "Television broadcasts are benevolent gifts from the sponsors of programs," we are told, "while CATV service costs you money right out of your pocket every day of the week."

Broadcasting stations—even ETV stations—cost money to operate. They cost money to construct. Naturally, since they are not government owned and operated, as they are in many countries, that money must be coming from somewhere. Basically, it comes from advertising. And advertising is a cost of business. The man operating the local Coca Cola franchise has an advertising budget which he spends in local media to promote his product; so does the man with the local Ford dealership. Advertising expenditures by the Coca Cola distributor and the Ford dealer are part of the cost of doing business.

When the Coca Cola distributor and the Ford dealer sell products, they carefully analyze all of the costs that go into their products, add to those costs a "profit" figure, and this determines the end selling price to the buyer.

Any direct expense to the seller is reflected in an increase in the price paid for the product (or service) by the purchaser. This includes the syrup in Coca Cola and the headlights in the Ford. If the Coca Cola man could take the syrup out of his soft drink and still sell his product, he would do so. At the same time, he could afford to cut the selling price of his soft drink by the direct cost per unit sold of the syrup he would leave out of the mixture; and that would bring the price the purchaser pays down also.

So it is with advertising. If the Coca Cola distributor or the Ford dealer could eliminate the expense of adver-
There is nothing free about television!
The problem is not convincing people it is not free; the problem is determining how much it really costs you every day, week, or year. We'll come back to that shortly.

The FCC was charged with the responsibility in 1944 of promoting the efficient use of the public airwaves, for all of the public to enjoy. A man in New York City purchases a television receiver, takes it home, and turns it on. The built-in VHF rabbit-ear antenna and the built-in loop antenna for UHF produce nine television signals. The man is satisfied, and the $250.00 he paid for the television receiver now goes to work for him. If he keeps the receiver for five years and averages $10 per year for maintenance, his cost of enjoying television (less the electricity consumed) is five years times 365 days (1,825 days) divided into $299.50 plus $50 maintenance, or 19 cents per day.

Now a man in DeQueen, Ark., buys the same identical receiver, takes it home and plugs it in. Because he is located outside of all television station coverage patterns, he receives nothing on either VHF or UHF. Now he has a choice as to how to make his $299.50 receiver perform.

(1) He can install a rooftop antenna, with rotor, and when the weather conditions are right, he will receive between two and six television stations, although only two of these with any degree of regularity. The man in New York who bought the same identical receiver would turn up his nose at the quality of reception on those two stations, if that is what he received for his $299.50, and promptly haul his receiver back to the dealer.

The cost to the man in DeQueen, Ark., for such an antenna will be $515, installed. The antenna will last an average of three years, so in five years he will pay for 1½ of such antennas.

APRIL, 1975 31
Magnavox Makes It Easy
Distribution Systems and

Choose One-Way Amplifiers
Microline™ with Micro Size, Micro Economy and Mega performance for smaller systems and extensions. MX-404 Series 4-8 for fewer cable plants where conversion to two-way is eventually required.
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MX-404 Series 4-1 and 4-3 for proven dual trunk, single feeder mid-split service.
Special MX-404 transportation and reverse path separation stations for signal routing where you want it; not limited by design.

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3GROUP-5 functional features are designed to save you time, energy and manpower in maintaining your MX-404 system.
5-T300 Trunk Amp with automatic redundant path switching.
5-PS30/60 d.c. Power Supply with built-in capability for maximum future power switching options.
5-CMD Control, Monitor and Disconnect module combines AGC/ASC, status moniter and remote feeder disconnect in one compact unit.

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MX-404 one-way or two-way units for low, moderate or high-gain application with thermal level control or AGC.

Choose System Accessories
MX-404 60 or 30V a.c. power supplies in 12 or 15 Amp. capacity with optional 110 or 220V a.c. input, surge arrestors and time delay relay.
MX-404 line power inserter Model 4-LPI with separately shielded 50 or 60V a.c. entry, over 90dB isolation.
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NEW!

Come See Us At
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Choose Multi Taps
MX-3800 Series eight outlet aerial or pedestal taps with
values every 3dB.
MX-3700 Series two and four outlet aerial or pedestal
taps, in ten values, optional sub-low filters.
2600 and 2600L Series two and four outlet corrosion
proof taps for pedestal or direct burial use.

Choose Connectors
U-Series universal, all-cable fittings for every feed-thru,
chassis and space application, superlative rfi/emi integrity.
990 Series coaxial feed-thru, chassis and splice for the
highest possible quality service and long life.

Choose Indoor Amplifiers
Best broadband signal handling, either 40 or 25dB
versions with both plug-in and adjustable gain and slope.
MX-202 for 117V a.c. line powering, F-type input
MX-202C for 30 or 60V a.c. cable power, 5/8-24 input
MX-202CA with AGC for cable power, 5/8-24 input

Choose Indoor Accessories
Impedance matching transformers with great balance
and optional sub-VHF trap.
Splitters with inline or full-face terminals, two, three,
four and eight outlet.
Directional Couplers with inline or "T" terminals in up to
seven values, optional wall-plate type.

Choose Convertors/Terminals
MX-UBS Unlimited Scrambled Service pay TV system
for true low-cost applications, ease of operation.
MX-MS Multichannel Scrambler unit for any or all
channels using common sync source standard modulators.
MX-MU Multichannel Unscrambler for inexpensive, stable service in a small package.
Option-36-channel converter with on-site set-top or
remote conversion, optically tuned slide channel selector
and exclusive memory fine tuning.
Option-36 converter with multichannel pay TV
unscrambler built-in, optional.

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In Europe: Triglow, Ltd., Cheshire, U. K. Phone (09964) 25000

NEW!

NEW!
The man in DeQueen will average two channels of reception, while the man in New York will select from nine stations.

If he pays the same $58 for main- tenance for five years, plus $250 for five years worth of antennas plus $299.50 for the receiver, this man will pay $599.50 for 1,825 days of televi- sion; or 33 cents a day (vs. the 19 cents a day for the man in New York).

Or, our pilot example in DeQueen can hook his $299.50 receiver to the local cable TV company. This will cost him $25 to be connected to the TV cable service, and $4.95 per month. In five years he will spend $232 for his cable service, $58 for maintenance, and $299.50 for his receiver; a total of $671.50. This works out to a total of just over 30 cents per day, but now he is receiving six channels of television value than the two he received on a regular basis with his antenna. And, he receives all six channels all of the time, with the same clarity the man in New York has with his nine channels of television.

The man in New York and the man in DeQueen, Ar., both contribute to the same Coca-Cola advertising fund every time they buy their separate cases of the soft drink. But the man in New York receives 30% more television than the man in DeQueen, and the man in DeQueen pays nearly twice as much per day for his television enjoy- ment.

Clearly, the man in DeQueen is paying a territorial tax for his television. He is paying a premium for his televi- sion service because the FCC has so allocated television service regions that his town is outside of any and all television service regions.

The man in DeQueen would contribute to the Coca-Cola advertising fund in DeQueen, every time he purchased a case of the soft drink, whether he watched television or not. And he can expect no rebate from Coca-Cola simp- ly because he does not watch Coca-Cola sponsored television programs. He is being taxed, without direct benefits, if he chooses (or is forced by not being within broadcast range) not to watch Coca-Cola-sponsored television pro- grams.

The territorial tax for the man in DeQueen is even more ridiculous when you consider that if his salary is the same as the salary of the man in New York, and they both have the same living standards and dependents, that both pay equivalent amounts into the federal treasury; from which federal funds come for the operation of the FCC; and from which federal matching funds come for the operation of ETV/ PBS television stations and programs such as Sesame Street. The man in New York enjoys PBS broadcasts, and rightfully he should because he pays for part of them. The man in DeQueen pays his share also; only he cannot en- joy any of the PBS offerings because even with cable service his town is too far from the nearest ETV/PBS station for the programs to be seen in DeQueen.

So the DeQueen, Ar., resident is forced to pay a territorial tax, in the form of more money per day, for his television, than a man in New York City. And he receives less television for his money than the man in New York, because the New York resident has 30% more stations to choose from than the DeQueen cable viewer. If the DeQueen resident were not connected to the cable, the man in New York would have more than four times as many stations to choose from, although the DeQueen resident would be paying 174% as much per day for his two channels as the New York resident for his nine channels.

The truth is that any cable viewer who receives fewer television signals than are available without the assistance of cable to residents of major population centers (Los Angeles residents receive from 15 to 18 chan- nels without cable) is being short-changed and is being forced to not only pay a territor-
ial tax for his television, he is also being forced to accept lesser quantities of programming.

There is nothing fair about this situation; it is FCC mandated and FCC enforced, and it works only to the advantage of the existing broadcast monopoly.

What does free television really cost? How would you go about determining an accurate number? Perhaps you would take the total cost of every product and service purchased by a television-viewing family in a year and meticulously calculate the television advertising cost built into every product and service bought, summing all of the advertising costs.

There is a much simpler solution, and we have excellent reason to believe it is every bit as accurate for the purpose of averages.

Suppose you take the sum of all of the advertising dollars spent on all three television stations in say the Madison, Wisc., market for a year (such figures are available at the FCC) and divide the total dollars paid to the television stations (from national, network, regional and local advertisers) by the number of homes in the television service area.

This would work, because the dollars that sift down to the three television stations in Madison (from the national level) plus the dollars spent with them annually on the regional and local level are cost dollars built into every product and service sold via television in the market area of Madison.

CATV has done that, for various-sized markets, to determine whether market size has a direct relationship to dollars spent per family. Remember, this is gross income for the television stations in the market (not per station) from each viewing family they reach, for the last complete year available, 1973:

<table>
<thead>
<tr>
<th>Market No.</th>
<th>Market</th>
<th>Gross Per Off-Air Family Channel</th>
<th>Cost per Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>74</td>
<td>Spokan</td>
<td>$19.07</td>
<td>$ 6.36</td>
</tr>
<tr>
<td>75</td>
<td>S. Bend</td>
<td>$16.21</td>
<td>$ 6.40</td>
</tr>
<tr>
<td>83</td>
<td>Greenwich/Washington/New York NL. C.</td>
<td>$21.98</td>
<td>$ 7.36</td>
</tr>
<tr>
<td>97</td>
<td>Lexington, Ky.</td>
<td>$24.49</td>
<td>$ 9.31</td>
</tr>
<tr>
<td>1</td>
<td>Madison, Wisc.</td>
<td>$22.76</td>
<td>$ 7.59</td>
</tr>
<tr>
<td>154</td>
<td>Reno, Nev.</td>
<td>$44.46</td>
<td>$14.82</td>
</tr>
</tbody>
</table>

Let us be accused of cherry-picking the particular markets shown, let us assure you that we have not. All markets were calculated (New York works out to $17.25 per home for 1973) and if there is a general trend, it is that as markets become smaller, the cost per household for advertising costs goes up, not unexpectedly.

So in Madison, Wisc., the market residents pay $7.59 per year in direct costs that are built into every television-advertised product they purchase, for the right to watch one television channel. For all three channels, these viewers pay a sum of $22.76 per year, in direct costs of goods purchased in that year. That works out to about six cents per day. This may be a bargain, but it is not FREE!

The time has come for the broadcasters to accept the fact that their big lie is past history. In fact, the next time a broadcaster editorializes about "broadcast television being FREE television" and "cable television being pay television," the area cable companies should promptly march right down to the Federal Trade Commission and file a complaint against the television station.

Enough is enough!

EMPHASIS REQUIRED

Over the air (i.e. a simple television) is not free. It has never been free. It may well be a bargain, but free is an incorrect description. Every program broadcast over by FCC stations ultimately cost the viewers something.
SUPER PROFITS FOR 15 NETWORK OWNED AND OPERATED STATIONS

SOME INVESTMENT

In 1951 during allocation hearings which the FCC was holding at the time, witnesses for CBS and NBC appeared to make their feelings known as to how the Commission should handle the pending allocations table.

Not surprisingly, CBS and NBC were concerned that the Commission allocate sufficient new VHF channels so that they (individually) might have a crack at VHF affiliates in each of the marketing regions in the country.

However, CBS had another axe to grind also. CBS was worried about their inferior position, at the time, to the NBC folks. It seems that NBC had been careful about putting stations or the air (i.e. building their own stations, owned and operated by the network itself) prior to the freeze. NBC put WNYT (New York) on the air in July of 1941; WRC-TV (Washington) on the air in June of 1947; WKYC-TV (Cleveland) on the air in October of 1948; and KNBC (Los Angeles) and WMAQ (Chicago) on the air in January of 1949. This gave NBC owned-and-operated outlets in markets 1, 2, 3, 8 and 9. At that time, 1951, CBS had WCBS-TV (New York), put on the air by CBS in July 1941; KNXT (Los Angeles), which they had purchased as KTSL from the estate of Thomas S. Lee (Dou Lee Network) for $3,600,000 in December of 1950; and 45% of WOHC (now WTOP, Washington), for which they had paid $630,000 in 1950.

Clearly, NBC had CBS outnumbered, and CBS was concerned about it. So CBS told the FCC:

"The allocations program planned will make it very difficult for CBS to operate a network effectively, because CBS lacks owned-and-operated stations in key major markets." CBS did not want UHF owned-and-operated stations because (they noted) "for a considerable period, perhaps five years, a commercial UHF station cannot compete on anything like an equal basis with a commercial VHF station in the same community..."

What they wanted were owned-and-operated VHF stations, and the answer was "effective network programming." The inference in the CBS petition was that a network must have owned-and-operated outlets in those cities where "TV programming originated," or it would not be a viable television network.

At that time, before the AT&T transcontinental microwave hookup was completed (September 1951), networks depended upon (1) kinescope recordings (essentially a fast film process) and (2) live inter-connection; in that order. Virtually all network programs were kinescoped, but delays in reproduction and transit caused a one-week delay at best. The Christmas Texas Star Theatre, for example, seen live on the NBC network in the East and through the Great Lakes, was not shown until the week after
Christmas in the Southwest, Mountain States or on the West Coast.
Specifically, CBS wanted owned-and-operated assignments in San Francisco, Boston, and Chicago. They urged the Commission to expand VHF assignments for San Francisco by adding channel 13 (then and currently assigned to Stockton (Sacramento), for Chicago by adding channel 11 (which the Commission later did, reserving it for ETV), and for Boston by adding channels 9 and 13 (9 later went to Manchester, N.H. and 13 to Portland, Me.).
The owned-and-operated argument, if it was really valid in 1951, is subject to serious question today. When television was young, live studio presentations (without retakes) were a very important part of the programming procedure. And not all talent was conscripted in New York. Many network shows originated in Chicago (Garbo way at Large, Kukla, Fran and Olillie, Mr. Wizard, etc.) and shortly thereafter when the transcontinental link was completed, in Los Angeles. CBS may have been, at the time, at a disadvantage.

And it was not only natural but reasonable that the network flagship stations, located in New York (for example), did double duty as local outlets and as centers for network program productions. In a word, networking in those days amounted to a large extent to inter-connecting stations outside of the coverage area of the New York City stations with the New York stations, so that programs produced by and for New York gained added network exposure. Today, New York is merely the big apple market; its importance as a network origination point has become largely that of housing the elaborate news program departaments. And today, unlike 1951, the network operations are distinctly different (and separate) from the owned-and-operated station facilities.

In fact, there is very little justification for the continuation of network-owned-and-operated stations in major markets. Apparently the networks themselves are aware of this, as we shall shortly see.
Networks in 1951 were inseparable from the flagship stations. Networks in 1975 could (and do) get along just fine without these flagship operations. If WCBS in New York was suddenly not available for any local service, the balance of the CBS affiliates would not even be aware of the demise of WCBS. Any mechanical-electronic inter-connections between WCBS and the CBS television network are for convenience only in 1975; they are not required for successful network operation.
The networks can, of course, be expected to dispute this statement. They have good reasons to; 102,8 million reasons to be exact (1975).

Economics of O & O

In 1973, the last complete year for which the FCC has released financial data, the 15 network-owned and operated stations earned a net profit (before taxes) of $102,800,000. If you divide that sum by the 15 owned and operated stations, you find that they averaged $6,833,333 each in 1973. That is net profit, before taxes, each.
Now just for comparison, the 74 VHF stations had an average net profit, before taxes, of $973,211 for 1973. That is not exactly something to sneeze at, but it is only 19.8% of $6,833,333. Clearly, the 15 owned and operated properties are platinum-plated gold mines.
Now the actual earnings of each of the 15 O & O stations is not public information. If we happened to have some of that data and published it here, we would most probably (1) get sued, (2) get anybody who might possibly hand us such data in a great deal of hot water. So when you set out to analyze such figures, you have to do as in
**How O & O Properties Developed**

(Table One)

<table>
<thead>
<tr>
<th>Property Details</th>
<th>Value or Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBC</td>
<td></td>
</tr>
<tr>
<td>Put WNBC-TV (as WNBT) on air on channel 4, New York, in July 1941;</td>
<td></td>
</tr>
<tr>
<td>Put WRC-TV (as WNBN) on air on channel 4, Washington, in June 1947;</td>
<td></td>
</tr>
<tr>
<td>Put WYCT-TV (as WNBR) on air on channel 3, Cleveland, in October 1948;</td>
<td></td>
</tr>
<tr>
<td>Put KNBC-TV (as KNBH) on air on channel 4 in Los Angeles, in January 1949;</td>
<td></td>
</tr>
<tr>
<td>Put WMAQ-TV (as WNBR) on air on channel 5 in Chicago, in January 1949;</td>
<td></td>
</tr>
<tr>
<td>Bought WGN-TV (with AM) for $1,000,000 in Hartford, Ct. (channel 49) in December 1939, operated as WNBC-TV until September 1939, sold TV and purchase AM property for $1,044,000.</td>
<td></td>
</tr>
<tr>
<td>CBS</td>
<td></td>
</tr>
<tr>
<td>Put WCBS-TV on air on channel 2, New York, in July 1941;</td>
<td></td>
</tr>
<tr>
<td>Participated as 40% owner in KTTV, channel 11, Los Angeles, when station went</td>
<td></td>
</tr>
<tr>
<td>on air in January 1949, later sold off 40% interest for $200,000 on 9 December 1950 when</td>
<td></td>
</tr>
<tr>
<td>CBS purchased 100% of KTTV (KNX-FM), channel 2 Los Angeles, from estate of</td>
<td></td>
</tr>
<tr>
<td>Thomas S. Loe for $3,800,000;</td>
<td></td>
</tr>
<tr>
<td>Purchased 45% of WOIC, channel 9, Washington in 1939 for $300,000, later sold</td>
<td></td>
</tr>
<tr>
<td>45% interest in 1954 for $1,000,000 (+-)</td>
<td></td>
</tr>
<tr>
<td>Purchased WBBM-TV (now WBBM) for $6,000,000 in February 1933, channel 2,</td>
<td></td>
</tr>
<tr>
<td>Chicago;</td>
<td></td>
</tr>
<tr>
<td>Purchased WOKY-TV, channel 18, Milwaukee, in October 1934 for $250,000, in</td>
<td></td>
</tr>
<tr>
<td>1955 bought physical plant of dark (off air) WCAN-WL, Milwaukee, for $650,000, but took</td>
<td></td>
</tr>
<tr>
<td>channel 18 off air in 1959 and sold dark station for $50,000;</td>
<td></td>
</tr>
<tr>
<td>Purchased WCCT-TV, channel 14, Hartford, Ct., for $650,000 in 1956, operated as</td>
<td></td>
</tr>
<tr>
<td>WHCT until 1959, when it took station off the air (ie, went dark), eventually selling</td>
<td></td>
</tr>
<tr>
<td>plant and CO for $250,000;</td>
<td></td>
</tr>
<tr>
<td>Was successful applicant for channel 11, St. Louis, but purchased WXF-TV (chan-</td>
<td></td>
</tr>
<tr>
<td>nel 4), St. Louis for $2,000,000 before putting channel 11 on the air. disposed of channel</td>
<td></td>
</tr>
<tr>
<td>11 CO to combination of two unsuccessful bidders for application in return for both</td>
<td></td>
</tr>
<tr>
<td>applicants’ dropping pending suits against (C), contesting initial award to CBS;</td>
<td></td>
</tr>
<tr>
<td>Purchased WCAU-TV, channel 10, Philadelphia, for $30,000,000 in July 1959, as</td>
<td></td>
</tr>
<tr>
<td>package that included WCAU radio;</td>
<td></td>
</tr>
<tr>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>The basic ABC O &amp; O properties came from the holdings of the American Broadcasting</td>
<td></td>
</tr>
<tr>
<td>Company and United Paramount Theatre Corporation is a merger approved by the</td>
<td></td>
</tr>
<tr>
<td>FCC in 1953.</td>
<td></td>
</tr>
<tr>
<td>(1) WABC-TV, channel 7, New York; (2) WXYE-TV, channel 7, Detroit; (3) WLS-TV</td>
<td></td>
</tr>
<tr>
<td>channel 7, Chicago; (4) KABC-TV, channel 7, Los Angeles; (5) EKO-TV, channel</td>
<td></td>
</tr>
<tr>
<td>7, San Francisco.</td>
<td></td>
</tr>
</tbody>
</table>

---

*Note: Many properties were acquired through mergers and acquisitions. The station details listed above are representative of the acquisitions made by the network during its development.*

---

**Cleveland (NBC), St. Louis (CBS), Philadelphia (CBS), San Francisco (ABC) and Detroit (ABC).**

---

*In those nine markets, there are 64 commercial stations operating.*
## HOW O & O PROPERTIES COMPARE — NET INCOME

### Table Two

<table>
<thead>
<tr>
<th>Market</th>
<th>No. Stations</th>
<th>Net Income/Market</th>
<th>Net Pay Station/(Average)</th>
<th>O &amp; O 15 Station Nine-market Average</th>
<th>O &amp; O Comparison</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>9</td>
<td>$40,597,392</td>
<td>$4,500,812</td>
<td>$6,853,333</td>
<td>+55%</td>
</tr>
<tr>
<td>Chicago</td>
<td>7</td>
<td>$26,761,104</td>
<td>$3,267,290</td>
<td>$6,853,333</td>
<td>-17%</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>33</td>
<td>$39,416,253</td>
<td>$2,185,887</td>
<td>$6,853,333</td>
<td>+31%</td>
</tr>
<tr>
<td>Washington</td>
<td>1</td>
<td>$5,354,181</td>
<td>$956,186</td>
<td>$6,853,333</td>
<td>-17%</td>
</tr>
<tr>
<td>Cleveland</td>
<td>5</td>
<td>$10,794,246</td>
<td>$2,146,907</td>
<td>$6,853,333</td>
<td>-17%</td>
</tr>
<tr>
<td>St. Louis</td>
<td>5</td>
<td>$5,237,810</td>
<td>$1,047,562</td>
<td>$6,853,333</td>
<td>+1%</td>
</tr>
<tr>
<td>Philadelphia</td>
<td>6</td>
<td>$16,055,123</td>
<td>$2,666,854</td>
<td>$6,853,333</td>
<td>+26%</td>
</tr>
<tr>
<td>San Francisco</td>
<td>8</td>
<td>$16,927,424</td>
<td>$2,112,938</td>
<td>$6,853,333</td>
<td>+32%</td>
</tr>
<tr>
<td>Detroit</td>
<td>5</td>
<td>$19,324,232</td>
<td>$3,964,846</td>
<td>$6,853,333</td>
<td>+17%</td>
</tr>
</tbody>
</table>

(3) The total net revenues (after expenses but before taxes) for these 64 stations, in 1973, was $169,265,908.

(4) And all 64 stations (including the 15 O & O stations) averaged $2,944,764 each.

(5) Yet 15 of the (64) stations earned $102,800,000 (before taxes), or $6,853,338 average.

So even within their markets, the O & O outlets managed to earn 25% more than their market counterparts. As Table 2 shows, in every market the networks operate O & O outlets, the average income of the 15 O & O outlets is far more than the average income within that market, and that includes the Big Apple.

Now $102,800,000 is a fair amount of change, especially when it is not profit. To put it into language which the CATV industry can comprehend, it is equivalent to 1,710,333 CATV homes paying $600 per year for CATV service. That is not the equivalent of the profit on 1,710,333 CATV homes, but the gross revenue of that number of CATV homes.

And remember this has nothing to do with ABC/CBS/NBC network operations. This is for the 15 O & O stations only. (The networks returned a net profit before taxes of $134,800,000 in 1973; an average of $6,400,000 each.)

Now how does one justify that type of return? You might suggest that these O & O stations have huge investments and they are merely paying off their debt. Of course, let's try that one on for size:

(1) The depreciated investment in tangible broadcast property for the 15 O & O stations in 1972 was $33,200,000 (average of $2,213,333 per station); thus the return on depreciated investment was 20.7% in 1972 alone!

Now see comparison, the return on total depreciated investment for the 474 VHF stations was 75.9% (still not a bad bush). The O & O properties return was 40.6% more than the average return.

Well, then, let's try a return on depreciated investment, assuming a 50:50 debt/equity ratio.

(2) The O & O stations returned an average of 31.4% in 1973. Again, for comparison, the 474 "other" VHF stations returned an av-

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**A PRIL, 1975**

39
erage of 15.8% (Strange how immoral that seems, with the airwaves public property and all, until you encounter the 15 O & O's managing a 619.4% return).

All right... how about net return (before taxes) per home reached?

3. There are 15,801,000 homes in the nine markets reached by the 15 O & O stations. Divide (net number of homes into $169,264,900 (net profit before taxes for all 61 stations in those nine markets), and you have an average net profit per home of $10.671 (remember this is money the public pays for television, through increased costs for goods and services advertised on television). Or divide the 12,801,000 homes into the $102,960,000 earned before taxes by the 15 O & O stations alone in those nine markets; it is $6.51 per home that went directly into the O & O (network) pockets. And that is profit, not gross!

Hmmm... apparently the networks have a better-than-average good thing going for themselves. But surely they have huge duplication of equipment and facilities at their O & O properties, which they maintain to keep the network affiliates fed with programming and the like? Well Virginia, if you think this is a fairy tale with a happy ending for the network's defense of these "unusual or off" with their O & O properties, you have a disappointment coming. The networks don't and won't get off the hook by maintaining that their O & O stations are essential to the continuation of their network programming output(s).

For example:
In a recent week, not counting news program feeds, the average program output on the three networks was:

1. 88% originated on tape/film or live (i.e., outside of the network properties themselves);
2. 11% originated by network studios outside and distinct from O & O property studios;
3. 1% miscellaneous, including approximately 0.4% originated at O & O properties.

Clearly this is no longer 1951! The illusory of O & O properties being essential to network operation is not even maintained by the networks anymore. For example:

1. ABC maintains studios for the network on Avenue of the Americas (where ABC corporate headquarters and WABC are located), plus two other network-only locations in New York City. ABC network corporate headquarters do not even exist in studios for Los Angeles, San Francisco, Detroit, when was the last time you saw ABC originate a regular program from Detroit?? or Chicago.

2. NBC maintains completely separate New York locations for WNBC-TV (Rockefeller Plaza) and the NBC television network (RCA Building, Brooklyn Studios, Zurkink Studios (California), and Merchandise Mart (Chicago) when was the last time you saw NBC network program produced at WKYC-TV in Cleveland?

3. CBS, apparently mindful of its 1951 statement to the FCC, at least has studios in New York City (10 studios including six at the same corporate address as WCBS-TV), Los Angeles (five studios, including one at the same address as KNXT-TV), Washington (where they do not own and operate), Chicago (one studio, same address as WBBM-TV), St. Louis (one studio, same address as KMOX-TV), and Philadelphia (one studio, same address as WCAU-TV). However, when was the
EQUIPPED FOR NETWORK ORIGINATION?

(Table Three)

If the owned-and-operated stations are intended for use as network origination points, they should be equipped with the cameras and tape recorders, and other equipment one would expect for such duty. This table compares the equipment network 0 & O stations have in their stations with all other stations in each market. Numbers shown here are from industry sources: CBS and NBC numbers for New York City are missing because of a lack of certified data to CATJ.

<table>
<thead>
<tr>
<th>Market</th>
<th>Station</th>
<th>Cameras</th>
<th>Min.</th>
<th>Avg.</th>
<th>VTR’s</th>
<th>Min.</th>
<th>Avg.</th>
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<td>10</td>
<td>-2</td>
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<td>12.71</td>
<td>-6.71</td>
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<tr>
<td></td>
<td>WWAG</td>
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<td>16</td>
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<td>-0.5</td>
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<td>-0.5</td>
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<td>4.75</td>
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<td>+1.5</td>
<td>8</td>
<td>6.5</td>
<td>+1.5</td>
</tr>
</tbody>
</table>

Network 0 & O stations average slightly below or slightly ahead of other non-network and non-O & O stations in their same markets in all cases but KABC-TV. Apparently you can run a network with very little program-origination equipment these days.

At last time you saw a CBS program originate at CBS-owned KMOX TV in St. Louis? OK, so the networks do not even try, very hard, to disguise the fact that the O & O stations are not network origination points, anymore. But surely they have the equipment to do so; don’t they?

No Virginia, they do not, if network information sources are accurate. Once again:

1) See Table 3 for a breakdown of the equipment maintained color TV cameras and video tape recorders, which is about all a fellow needs these days to produce and distribute programs. As you will note, the O & O stations average below or just slightly ahead of the market averages in each of these two categories. There is one exception: at KABC-TV in Los Angeles, the ABC folks have a large quantity of cameras and tape recorders which they probably store for the network. On the other side of the coin, KNX-TV in Los Angeles has only 37.5% as many color cameras as the average Los Angeles station; while KNXT (CBS) has 55% as many video tape recorders as the average Los Angeles station. Clearly, as Table 3 indicates, the networks are NOT using their O & O properties for serious program origination. You just cannot run a network program production facility plus a local outlet in these markets with fewer cameras and tape recorders than the average non-network station has on hand!

All Of Which Suggests...

All of which suggests that the networks have grown so sure of their positions and their invulnerability to out-
side public interest questions that they have grown careless in the way they treat the public property (airwaves which they occupy), for which they serve as guardians in trust.

(1) The networks can no longer justify the continued ownership of these major market O & O stations.

(2) In the year 1973 alone, these properties returned to the networks $309.7% of their depreciated investment value.

(3) In the past five years, according to FCC-released data, these 15 properties have returned more than $450,000,000 to the networks; profit, after operating expenses, but before taxes.

(4) The networks have a pretty good deal going for themselves with the networks which they own, but the O & O stations are no longer a necessary public concession to the continued successful operation of the networks themselves. In a word, their time is past; they are an embarrassment to the FCC and to the overly profitable industry which they are a part of. Something should be done to force the networks to divest themselves of these overly abundant properties.

If there were a way for the networks to divest themselves of these properties, and to put the money such divestiture would earn back to work in the public interest, solving some of the program diversity problems in other regions of television communications...

Which There May Be... .

Now naturally the networks are not going to cede for what follows (chances are they are unhappy with what preceded!). We expect that... people who shake apple trees always run the risk of being bopped on the noggin with falling fruit.

Recall that earlier in this issue of CATJ, we investigated the myth of independent stations and discovered that less than 1% of the homes in America are within broadcast reach of an independent station. Or to put it another way, more than 99% of all American homes cannot watch programming from other than the three major networks because 90% of America cannot receive signals from any independent stations.

We also explored the fact that within the top 50 markets alone there were 14 markets with no independent stations on the air. In the second 50 markets, there are only five markets (out of 50) with independent stations operating. Thus in the top 100 markets there are 14 plus 45 or 59 markets with no independent station service. That amounts to 16,637,500 homes in the top 100 markets alone without non-network service. So the proposal is this:

(1) ABC, CBS and NBC should be forced, through Congressional action if the FCC lacks the intestinal fortitude to do its own duty, to divest themselves of the 15 O & O properties.

(2) With the money such divestiture would bring and equipped with a special ruling from the people at IRS, the network people would be allowed to:

(A) Re-invest the proceeds from the sale of their O & O properties in the construction and operation of new, independent (i.e., non-network) stations in any of the markets they wish, provided such stations are constructed in markets with no existing independent stations.

(B) The networks should be allowed to construct up to 10 each (UHF) independent stations, which they would own and operate.

(C) Furthermore, to sweeten the pie and provide a much needed non-network service for people who do not now have it, or are likely to have it in the next ten years without such a plan, for every network-owned independent station (UHF) constructed in any market currently without an independent station, the networks would be allowed to construct a full-time, inter-connected satellite (UHF) station to carry the programs of their owned and operated independent stations in to any market below the
FCC PROTECTS NETWORK INTERESTS

Many CATV systems believe that the rules laid down by the FCC are clearly favoring the broadcast networks, to the detriment of the CATV system owners and the system operator.

Agreed, program exclusivity rules seem to protect station interests. But is it the station's interest that is being protected, or is it the network's interest? Consider this for a minute. Section 76.01 (e) (2) grants to CATV systems the right to carry any network program not cleared for showing by the TV stations that place a Grade B (or better) contour over the CATV town. In other words, if your local NBC station fails to clear for local showing "Chico and the Man," you as a CATV system operator are "free" to pick that specific network program up from any other station you can find that is carrying the network program in question.

How does this affect the "local broadcasters" who chose not to clear "Chico and the Man"? Unless the program he places on his station at the time "Chico and the Man" is fed down the network is a blockbuster, he will find himself battling for an audience against a network program from his own network, in your CATV town.

Section 76.01 (e) (2) of the rules for CATV clearly is not for the benefit of the local broadcasters; they are plainly there for the networks, who set out some 25 years ago, to put all of their network fare into all of the homes of all the time. With CATV growing, the onus of this may be that local stations will find it more and more difficult to NOT clear all-network programs for local showing.

When you look at the FCC rules from this direction, they are clearly intended to extend the network monopoly hold over broadcasters and the public.

top 100 (i.e. 101 or down) within 250 miles of their new UHF stations.

Here is what this would do for America (ask not what you can do for me, but ask what I can do for you ...). First off, millions of Americans would have access to non-network programming for the first time. There are 59 markets in the top 100 without non-network service at this time. If each of the three networks were to build its full authorized (and suggested here) complement of new UHF independent stations, there would be 30 fewer markets in the top 100 without independent program service.

Secondly, the networks would build the best UHF stations money could buy. This would be a tremendous shot in the arm for UHF, and the whole industry would profit.

Thirdly, just to keep the networks honest and to keep them from loading up their new UHF with off-network rants of I Love Lucy, the FCC should establish rules limiting these network-owned-and-operated stations in carrying more than 20% of their total broadcast time in any programming that has previously been shown on any major U.S. network. This would create whole new markets for new programming, which is badly underworked Hollywood (unemployment among Hollywood program/film producers is the highest of any state in the United States) could and would produce. Such programming, produced for the network O & O stations, would greatly improve the program fare available to the other independents in operation already, and this would improve their chances of making a go of their own services.

Fourthly, by allowing a network O & O to establish full-time satellites in any market under top 100 (101 up), within 250 miles, where no independent stations are operating (there are virtually none presently receiving service), people in the really minor markets would also be treated to at least one non-network program service. In effect, an NBC-owned is Oklahoma City (for example), which is market number 48, could locate a full-time satellite in Amarillo (market 111), Wichita Falls/Las Vegas (market number 108), and Fort Smith (market 156). If this pattern were repeated nationwide, each O & O UHF station would spawn several other new UHF interconnected satellite clusters, creating mini-networks that would in short order fill in virtually the whole United States with non-network program selection and coverage.

This is a straightforward, honest solution to the basic problems afflicting

APRIL, 1975 43
the nation's TV-receiving ills, it will not solve all of the problems; it may even create a few new problems. But one thing is certain: the public will be much better off because their program diversity will increase and UHF channels now going unused will suddenly bloom with new programming.

And CATV... how does it benefit? Very simply; because CATV is in the business to deliver off-the-air signals to people who happen to live where signals do not reach, because of terrain or distance. CATV would, in the major ity, welcome these new signals and the programs they would offer.

**Independent Signals**

**WHY DO BROADCASTERS AND NETWORKS FEAR THE INDEPENDENT STATIONS?**

If there is one fear that ties the network mogul stomach into knots, it is the fear that someone will lurch their bubble. CBS and NBC had an excellent monopoly going in the late 1940's and early 50's. Even when it appeared as if ABC might make the grade, they worried not at all because many of the ABC affiliates were UHF stations in markets which had two VHF stations: one affiliated with CBS and one affiliated with NBC. Better, they figured, to let a weak third network survive than to create such a rhubarb that someone might really look into the situation. Even when the FCC, under intense Congressional pressure, re-grouped some VHF assignments to allow ABC to acquire some 'drop-in' VHF affiliates in markets such as Rochester and Oklahoma City, CBS and NBC wisely bought only to the wire—not beyond. It was OK to do battle, but not if their battling attracted too much attention of Congress. The creed, since the 1940's and early 50's, has been not to attract attention to their dominant positions.

ABC has done so well primarily because they have been clever, innovative packagers of mass-appeal programming. Today they have almost (but not quite) become the equal of CBS and NBC on many fronts, all save one important one: money. ABC, which often gives the two big networks fits in the rating wars, still manages to fall far behind CBS and NBC in that (order in dollars grossed and netted) for their services.

Still, NBC and CBS have learned their lesson well. At all costs, even perhaps fighting to beyond the wire this time, they would battle to kill any possible emergence of a fourth network—of any type.

How viable would a fourth network be today? Several have tried (D.H. Overmyer Communications was the most recent, but apparently most failed to do their homework in advance. There is not now any serious talk of a fourth network, unless you consider the "blue-sky" CATV proponents who talk loosely of tying all cable systems together.

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Television networking is a straightforward numbers game. Stations equal markets (thanks to the blind allegiance the FCC has followed), and markets equal people. Big markets equal big numbers. Small markets equal small numbers. In the first 50 markets (i.e. the 50 largest markets) there are 42,096,500 homes. In the next 50 markets (i.e. markets 51-100) there are 12,285,000 homes. Obviously, the markets get much smaller in the second 50 than they are in the first 50, in a big hurry.

Things get even worse, faster, in the next 106 markets (101-200), where there are 3,061,800 homes. The networks probably have few good thoughts about the markets below 100; that they are "provincial in nature" best describes the holier-than-thou true feelings of the networks toward their smaller markets.

Still, networking is a numbers game, and if ABC has those 3,061,800 homes in the 101-200th markets covered, CBS and NBC have to be competitive and have affiliates there also.

In the top 200 markets only 212 are listed as "markets," and number 212, Miles City- Glenville, MT, brasts a startling 2,500 prime-time households (obviously the action is in the first 50 grouping 66.4% of the TV households are here). When the next 50 markets are added, there is an additional 18.7% of all U.S. households (capable of receiving television), or now 85.1% of the total TV households. That amounts to more than 85% of every domestic advertising dollar spent; there simply is not much incentive for the networks to worry about the remaining audience which may or may not go unreached.

Still, independent stations (i.e. those without network affiliations) are a worry. One wonders why, when the record is studied. For example.

In New York and Los Angeles, where three VHF network stations face the best independent programming that independent television money can buy, on a one-on-one battlefield (New York has three VHF non-network stations, Los Angeles

APRIL, 1975

45
four, which means in Los Angeles the networks are physically outnumbered 4:3, the networks regularly capture 85% of all prime-time households (on an across-the-board annual sweep); (2) Big-money, top-rated programs such as Chico and The Men often break out of the ratings with 30-40% of all market households tuned in, while on the other end of the scale, network prime-time shows that attract 18-20% of the tuned-in homes are quickly dumped. A 30 rating equals as many as 20,000,000 American homes,
Many top markets have non-network stations on the air. Some, such as Pittsburgh (P.A.), have one or two VHF assignees but all independent stations must operate UHF. This table lists markets which have, and do not have, operating independent (radio) stations at this time (some 23 years after the allocations freeze was lifted).

In the top 50 markets, as listed here, there are 14 markets without independent stations on the air. These 14 markets total approximately 6,000,000 homes without independent station service, while the 36 markets in the top 50 with independent station service reach 38,200,000 homes. Thus all independent stations on the air in all markets, those located in the 36 markets shown here receive 92.8% of all homes receiving over-the-air (i.e., non-CATV) independent station service. Independent stations in these 36 markets reach 58.8% of all U.S. homes, over the air.

To put it another way: if the DuMont Television Network were still alive and kicking today and had an affiliate in every market that presently has an independent station, the DuMont Television Network would reach 60.7% of the homes now reached by CBS and NBC.

A fourth network serves the present networks, not because it is economically viable, but because in the process of getting started it might draw attention to the iron-fisted position currently enjoyed by existing networks.

While a 15 rating (which is a show sure to be dumped from network fare) reaches only 10,000,000 American homes. Interestingly, 10,000,000 American homes is exactly the number the accounting pundits now attribute to CATV total nationwide influence.

(2) All of the markets where independent stations now operate total 39,657,000 homes. This is 60.7% of all U.S. homes now reached by markets that have independent stations. Should a new network begin, with an affiliate in each of these markets, the best it could hope for would be something less than 60.7% reach of the network market now reached by CBS or NBC (ABC is lower than the other two in homes reached). On an average night in America, those homes watching television in those markets with both network and independent stations will (in the best case for the independents) split about 85:15; with 85% of the homes viewing network fare and 15% of the homes viewing independent fare. If all 39,657,000 homes in those network + independent markets were watching television, the 15% watching non-network television would total a mere 5,975,000 homes; or 8.2% of all U.S. TV homes. And since a network show attracting 10,000,000 homes is considered disaster, it is hard to understand why network types worry about 5,787,000 homes, or just slightly more than half the number which they consider disaster!

There can only be one answer: greed and paranoia.

In a word, networks have it so lush, so fast and so good, that they live in constant fear their bubble will burst. God forbid that someone discover the control they have over the FCC and the way networks manipulate the public airwaves. YET...

Yet the FCC’s cable television rules are clearly established to favor total, uninterrupted cable carriage of network programs. The cable rules, we are told, are designed to protect the
INDEPENDENTS RATE POOR AS AUDIENCE ATTRACTION MACHINES

In addition to being questionable money machines in many markets, independent stations face poorly against network competition in the audience ratings wars. Even when the independents are prime VHF stations, with comparable coverage patterns to first network affiliates, very few VHF indies do nearly as well in daily sets-tuned-in or weekly sets-tuned-in as their network counterparts. Plainly, independent programing (with a handful of rare exceptions) does not draw as many viewers to CATV as it did in the past.

CATV has studied the independents that serve the western United States, from Dallas/Fort Worth/Kansas City, west. In addition to being badly underserved with off-air TV, CATV extended coverage independent programing, this region of the country affords a close look at the myriad network affiliation practices of the East and Great Lakes.

<table>
<thead>
<tr>
<th>Market</th>
<th>Station</th>
<th>Daily Sets Tuned In</th>
<th>Daily % Net Avg</th>
<th>Weekly Sets Tuned In</th>
<th>Weekly % Net Avg</th>
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<td>417.9</td>
<td>609.9</td>
<td>924.7</td>
</tr>
</tbody>
</table>

(1) Station is located in all-UHF market.
(2) Station is only UHF commercial station in market (network competition in VHF).
(3) Station is only UHF independent in market, with VHF sets and one or more VHF indies for competition.
(4) Station is one of two or more indies in market, but only VHF indie.

In the western regions of the United States, there are 181 network stations in the 16 independent stations listed here. Indies are as a group 9.4% of the station total in this area, or roughly one station in 17, 18.

**Sets are in thousands (i.e., 153.3 = 154,300 sets)**

Public investment in over-the-air television. The argument goes "If cable can endanger the survival of a television station in Jonesboro, Arkansas, it will endanger the people of Jonesboro (where there is cable) or Pocahontas (where there is no cable) who will suffer. For if cable forces the Jonesboro station off the air, the rural people living outside of the reach of cable will lose their local television, and perhaps their only television, while the people in Jonesboro, Pocahontas, etc., will lose their local television forum and become dependent upon distant signals from say Memphis or Little Rock."

So the cable rules preclude the Jonesboro or Pocahontas cable systems from carrying, on their cables, more than three network signals (one each ABC, CBS, NBC), an ETN/PBS outlet (from Little Rock), and one (just one) independent signal.

48
The cable operator sells (1) better-quality reception, and (2) big-city selection of programming. In Jonesboro or Pocahontas, better-quality comes easy; simply produce three network signals clean and free of interference. But big-city selection comes hard. Even with a tall CATV tower, the worst independent stations are hundreds of miles distant in St. Louis. If the cable operator can afford the expense of a microwave relay to bring the St. Louis signal down to Jonesboro or Pocahontas, he is limited to a single independent signal because the FCC tells him that is all he can have.

"More than one independent signal in Jonesboro or Pocahontas may disrupt the economic base of the Jonesboro network affiliate," the FCC argues. All of which is totally without fact, because even in Los Angeles with four available VHF independents (plus three UHF independents), the network manages to hold on to their 35% control of all homes tuned in, through out the year, 16 prime evening time.

Independents are not weak. They are barely hanging on in most markets, and the networks have nothing to fear. Nor does the Jonesboro television station have reason for concern, even if the Commission allowed the residents of Jonesboro and Pocahontas free time on up to four or five independent signals. People in Jonesboro and Pocahontas would still divide up 85.15, even in the best case (for the independents), and the networks who have the money to produce and transmit the best mass-appeal shows would end up with the same type of audience splits they now enjoy in New York, Los Angeles, and Chicago, where the public has a more wide-ranging choice of programs to select from.

Clearly, the network's have advanced an economic-injury argument, and the FCC, desperately or dumbly, has bought it hook, line, and sinker. The benevolent networks cry out to protect the future existence of the Jonesboro station and 2s 65,000 daily home viewing audience. Hopewell... if the Jonesboro station bared and went off the air tomorrow, the networks would probably not even send flowers.

Small Steps At First

HOW CATV SOUGHT TO SERVE THE UNSERVED

AND SO WE BEGAN.

With a nation agog over the magic of moving pictures in the home, it should be no small wonder that someone out there somebody devised a system to bring television into areas deprived of direct reception. In our March CATJ, we reprinted an early technical article describing one such system in Lansford, Pennsylvania (Page 29, March CATJ). What early pioneer Bob Tarlton did, as reported in the March 1971 Radio-TV News, would be dupli-
tracted in concept by dozens of others in the years which followed. The "Television To Panther Valley" article probably did more to inspire the CATV industry into being than any other effort of that era. However, not everyone had a nearby mountain handy, and for television to reach into their areas, they would need more than height above ground to capture their signals. The first attempt to get CATV microwave off the ground illustrates.

Late in 1951 a fellow named J.E. Belknap in Poplar Bluff, Missouri made a formal application to the FCC to build a common-carrier microwave link to carry programs of pioneer station WMCT (Memphis) to Kennett and Poplar Bluff, Missouri. Belknap proposed to pick up the WMCT signals near Memphis, carry them to Kennett (over a 75-mile path) and then west to Poplar Bluff (another 40 miles). Belknap also suggested that if he were granted permission for his new concept, he might expand the service north to Cairo, Illinois and Paducah, Kentucky. In each community he would encourage installation of "Panther Valley" type of CATV distribution equipment. Belknap proposed to sell the microwave service to the TV set dealers who would run the local CATV systems (such as Bob Tarlton in Panther Valley) at $3,000 for the installation and a set fee for sets connected to the CATV lines beyond 100 sets of $25 each. Belknap also proposed a monthly service fee of from $1.75 per set to 75 cents per set, depending upon the quantity in each town connected to the CATV systems, for going microwave signal delivery.

The Commission, in accepting the application, indicated that this new approach to television for dis-enfranchised areas would require them to consider:

"... the status of existing CATV systems which pick up their signals using local high-gain antennas, vis-a-vis the (Belknap) proposal which would depend entirely upon microwave feed for their signals; how the installation of such (microwave feed) systems (CATV) might eventually effect the allocation of VHF and UHF stations in the areas; whether new rules should be adopted to allow for the construction of CATV systems using both direct reception and microwave feed to provide television reception to communities..."

That would have been an excellent time to establish the ground rules for the CATV industry, when fewer than 40 systems were operating and the total number of home receivers connected was under 25,000. But the Commission had bigger fish to fry in 1952, and in the late summer of 1952 they turned down the Belknap request with the following statement:

"The proposed system raises serious questions as to whether it would be a common carrier type of system, and it might therefore be in violation of the Communications Act. The Commission is also concerned about the continuation of the service once installed; the applicant proposes a large initial connection fee for the proposed system, and a relatively small monthly fee based upon the number of subscribers connected via coaxial cable to the microwave delivery system. The application does not spell out the assurance that the system will be properly maintained for continuing service."

So while the Commission looked for the eventual relaxation of the 1948 freeze to wipe out any and all dis-enfranchised television service areas, enterprising fellows like Tarlton and Belknap went to work searching for methods to provide television reception for their towns.

During the early 1950's, both during freeze and immediately after it, CATV entrepreneurs worked to circumvent the laws of physics, laws which kept direct home reception from reaching people living in valley communities, behind mountain ranges, and far beyond the TV coverage horizons of the nation's TV broadcasting stations. No one paid much attention to what they were doing; except of course the
grateful people who depended upon their services for their television reception. No federal government program authorized CATV; no federal government grants paid for it. Television was, as Chairman Coy said repeatedly, "A powerful new force we looked on in this land," and as a later pundit would observe, "the medium is the message."

Apparently it suddenly became fashionable for people in high circles to speak to the nation's CATV operators, for at the 1955 annual NCTA gathering FCC Commissioner John C. Doerfer appeared before the group and gave some indication of his agency's growing interest in CATV.

Prior to the NCTA gathering, station KXLF-TV in Montaza had told the operators of the Bozeman Community Television group that the CATV system had no authority to "pick up the programs broadcast by KXLF" and it should immediately "discontinue reception and retransmission of such signals." KXLF noted that "our programs are broadcast for free public reception only and are not transmitted for the purpose of any company, group, or individual to realize profit therefrom. This station has contracts by which the (transmitted) programs are purchased, which prohibit and forbid their duplication, use, or retransmital for profit.

To which the Bozeman group replied:

"We are unable to reply to your request, because our system (CATV) simply involves operation of an antenna performing a service for subscribers. It is our understanding that the members of the public are entitled to receive the signals broadcast by your station. The function of our company is merely that of receiving, on behalf of our subscribers, the signals which you have broadcast to which they are entitled. This company does not realize any profit from the programs broadcast by your station. On the contrary, the remuneration is for antenna service which we render and is in no way related to the programs which may be broadcast by your station at any given time. Once a signal is broadcast, it is dedicated to the public; the station retains no rights to the signals."

Keying off from the first TV stations, CATV clash over property rights, Commissioner Doerfer told the assembled NCTA gathering:

"No one connected with the modern miracle of electronic communication, particularly anyone taking part in the broadcasting field, is unaware of the development and growth of community antenna systems. Today it is a 20-million-dollar industry. Approximately 400 companies are bringing a television service to approximately 300,000 homes, or roughly 1,000,000,000 U.S. viewers. If this enterprise, initiative and spirit did not prevail, today most of these people in black-and-white (direct reception) areas would be without a television reception service. This fact alone is a splendid tribute to your ingenuity. Your homes are all the more deserved because you have ventured into an uncharted sea still full of dangerous rocks and reefs. No government agency has given you any guidance nor substantial encouragement, and none is in sight."

The put on the hook ever with Commissioner Doerfer set out to tell these early-day pioneers in CATV what they might look forward to from the FCC:

"Let me remind you that the objective of the Commission is to make possible for everyone in the United States at least one free television service. It would be more consistent with American philosophy to accomplish this by providing opportunity, rather than by imposing artificial restrictions or outright prohibitions of a competing CATV service by government fiat; whether CATV systems are ultimately designated common carriers or not."

**EMPHASIS REQUIRES**

CATV sought at an antenna service. In new isn't that thousand (1975) operating systems, 10% of an antenna service. Attempts to regulate CATV have always ignored this basic fact. For ignorance of the fact will not change any facts. CATV, an antenna service, is totally functioning on the side of the consumer.

APRIL, 1975 51
LET IT BE CLEARLY UNDERSTOOD CATV HAS MADE ITS SHARE OF MISTAKES

STRONG MEN

Amos (Bud) Hostetter, Vice President of Continental Cablevision, Inc., recently observed, "(the CATV industry) is primarily made up of self-made individuals with strong opinions on everything." It is unlikely that in the history of the FCC, dating back to the Federal Radio Commission's formation in 1927, under the direction of a gentleman named Hoover, that the federal government's communications regulators have ever taken on such a headstrong, individualistic group of entrepreneurs.

Throughout the 1950's the FCC stayed essentially clear of CATV, apparently because it (1) was too involved trying to get off the hook for the mess they made of television allocations, and, (2) was harboring the mistaken belief that eventually CATV would go away on its own.

The FCC made numerous statements in the 50's, and most boiled down to "We don't have the authority to regulate CATV." In 1959 the FCC thoroughly studied CATV (they say, although some will dispute the thoroughness of that study). Prior to 1959 the FCC had declined to regulate CATV as a common carrier (see Frontier Broadcasting Co. vs. Laramie Community TV, Memorandum Report and Order FCC 58-81, FCC 151, P. & F. Radio Reg., 1006) or as a broadcasting facility.

Still, the Commission was not going to give up easily. In 1958-59, the FCC was the direct recipient of numerous "complaints" from existing television stations who claimed that CATV was saving (or was going to have) competitive impact on the continued operation of FCC-licensed television broadcast stations. An FCC report issued in 1959 makes the statement, "It is claimed that CATV is disrupting the Commission's carefully planned Table of Television Channel Allocations (emphasis ours!) designed to provide nation-wide television service (emphasis again ours!!!), yet only serving where it is convenient to the CATV operators."

Strangely, what everyone seemed to overlook in 1959 was that the CATV operator served not totally where it was convenient for him to do so, as much as he served where the allocations table and the broadcasters found it inconvenient for direct (off-the-air) television reception to exist.

The FCC, in its 1959 report, said of CATV economic impact on broadcasting, "There is undoubtedly some (economic) impact, although in what situation this impact becomes serious enough to threaten a station's continued existence or serious degradation of the quality of its service we cannot tell from the data before us".

It should be pointed out that by 1959 the cozy relationship between the net-
works and the FCC was already an
accomplished fact. In this era, the FCC
had one overriding phobia: that any
more (even one) television stations
should go off the air and blame the
FCC for not helping it stay on the air.
Recall that the Commission had gone
through a period in the years immedi-
ately after the freeze when several
hundred "UFIF" permittees went dark
(some never lit up at all). The Commissi-
on had faced a fiery Senator Magnu-
son, an equally fiery Senator Pastore,
and they had escaped by the skin of
their teeth when they recommended
that the VHF "UFIF" problem be studied
by a Committee (see CATV for March,
Page 51). So in 1959, the last thing
in the world the Commission sought
was a new round of Congressional queries
into the way they were handling the
public's investment in television. The
broadcasters found this sort underbel-
lly at the FCC, and they wasted no time
irritating the sore.

And CATV, a new industry, an unor-
ganized industry, was in no position to
combat the beginnings of "economic
impact arguments" with which the
broadcasters began to bombard the
Commission.

So having studied CATV in 1958-59
and finding that "the data before us...": did not substantiate broad-
caster claims, one might think that on
the merits of the situation the FCC
would back off and go away.

They did not. Quite the contrary,
they further stated, in 1959: "There
are three basic legal questions before
us and involved in any action which
the Commission might take (to regulate
CATV):

(1) What basis is there in existing
 laws for regulating CATV (i.e., where
 in the Communications Act of 1934, or
 as subsequently amended, did the
 Commission have the legal right to
 regulate a television receiving sys-
tem)?

(2) Is it legally valid to control CATV
 by denying common-carrier licenses to
 microwave systems serving a CATV
 system, where there might be (empha-
sis ours!) an adverse economic impact
 on a local station?

(3) Is real life, unquestionable econ-
 omic injury to a local station a valid
 public-interest justification for denial of a
 license to any type of competing
 auxiliary facility?"

Having outlined the regulatory pos-
sibilities open to it in 1959, the Com-
mision then decided that "regulatory
possibilities under present (1959-60)
 rules considered have been common-
carrier, broadcasting, plenary power,
and property-right principles under
Sections 325 (a) and 323 (b) of the Com-
munications Act."

Common Carrier - CATV did not
(and does not) fall into the legislative
intent of the definition of "Common
Carrier," because CATV does not pro-
vide the "means or ways of communi-
cation for the transmission of intelli-
genre as the subscriber may choose to
have transmitted." In other words, the
CATV operator himself chose (al-
though not necessarily as he might
wish to!) the material to be transmit-
ted (or cable carried, if you have trou-
bles with the phrase "transmitted"),
through the station-selection process
he exhibited at his head end turret-
na receiving site).

Broadcasting - CATV did not trans-
smit signals through the air, so clearly
they are not engaged in broadcasting.
Furthermore, a CATV system was not
covered by the 1934 Communications
Act definition of "broadcasting station,
or instrumentality engaged in broad-
casting." End of that one.

Plenary Power - Plenary power
simply means that the Commission
catches everyone with plenary power
whom they miss with specific powers.
Plenary power is full and absolute
power. However, it requires that be-
fore they take plenary power action in

APRIL, 1975

53
a new area they prove their case. This was something the Commission was clearly not prepared to do, so they dismessed plenary power with the statement (appearing in 1959 FCC report), "We do not believe we have plenary power to regulate any and all enterprises which appear to be connected with one of the many facets of communications."

Property Rights — This one has particular meaning today because of the rubegeb going on within the industry over copyright (a form of property rights). The Commission dismissed their rights (in 1959) under this area by stating, "We can find no grounds for requiring CATV systems to obtain consent from originating stations to use of that station's broadcast program material. CATV is not rebroadcasting within the meaning of Section 332 (a), and there are no grounds for issuance of cease-and-desist orders aimed at CATV systems under Section 321 (b)."

Now remember, this was all said by the FCC in 1959. And they said all of this after studying CATV and while broadcasters were making their first run at CATV with the (now) tired "economic impact" argument. On that matter, the Commission found: "We find no way to regulate CATV with the current rule's because of its adverse impact were even if this were a legally valid argument, it would be necessary to handle each case on an individual basis (both sets of emphasis ours). Thus the problem would not be solved" (emphasis again ours!).

Hey... what problem!

The only "problem" anyone was even hearing about was alleged economic impact on TV broadcast stations (something that never has been proven by any broadcaster any place).

Let's back up a few paragraphs to where the Commission began its 1959 report. There they stated "by saying... there undoubtedly is impact (interpretation; we could not find any in our case, but if broadcasters see it is there, then it must be so, but what situation this impact becomes serious enough to threaten a station's continued existence... we cannot tell from the data before us..."

Economic impact was all that broadcasters were screaming about in 1959, and by the Commission's own admission, the FCC could not find any (although they continued to assume it was there).

Now after disposing of their own ability to regulate CATV, in 1959, under the 1944 Communications Act (the same 1944 Communications Act we have today!), they refused to even consider cease-and-desist orders against cable on a case-by-case basis where economic impact could be proven because (they said) "it would be necessary to handle each case on an individual basis," and "thus the problem would not be solved."

Good grief! The 1955 FCC has no corner on being dumb. The 1959 Commission may never hold a candle to the 1952 Commission, that produced the now infamous television allocations table, but this one could run a close second.

"Thus the problem would not be solved." And why not? If the problem was economic impact, and this had to be done on a case-by-case basis (for obvious reasons), why would that not solve the problem?

The answer is obvious. The Commission never stated the problem they saw in 1959. Survival of television broadcast stations was merely a flag to rally around to enable the Commission to catch the attention of Congress and to press for legislation that would allow the Commission to move into CATV territory.

It is clear—clearly clear—that the 1959 Commission was as power hungry as regulatory says so, to conclude, as any Commission since that time.
The problem the Commission saw was not protection of broadcasters, or anyone else. It was, "How in the hell do we regulate cable, so we (the Commission) can broaden our sphere of influence and increase our activities?"

If anyone in the CATV industry took solace in the wording of the 1969 Commission study of CATV, it lasted less than 90 days. Because within three months of the issuance of that report, the Commission made a change in (then) Section 21 of its rules and regulations governing microwave systems. The Commission called this change "procedural in nature, and therefore not requiring a rule-making proceeding pursuant to Section 4(a) of the Administration Procedure Act." If the CATV industry had been better organized at that time, it would have taken the Commission to court on the "procedural nature" of that change, because in one deft stroke of the pen the FCC put virtually every microwave-fed CATV system on the ropes by taking away their existing rights, under Section 21, to own and operate microwave systems.

The handwringing was on the wall, but CATV systems were too busy climbing their mountains and running their drop cables to notice. However, in 1962 and 1963 even the most ostrich-like CATV operator came down off of his tower long enough to learn about the Commission's action with something subsequently referred to as the Carter Mountain Transmission Co. case.

Historically, the Commission had refused to deny broadcast licenses on the mere allegation by an existing station that there may not be enough "advertising" business in the area to support two (or more) stations. The first such legal case involving the Commission was in 1940, involving a radio station application. In 1958, the United State Court of Appeals, Washington, in handling another similar case (Carroll Broadcasting vs. FCC), did tell the Commission, "You are cautioned to consider whether public interest will be affected by the economic impact on an existing broadcast station."

Now the reason why the Commission never got into economic impact before 1958 was very simple: the Communications Act of 1934 never gave the Commission the power to do so. And the Commission clearly knew this. But in Carroll Broadcasting vs. the FCC in 1958, the U.S. Appeals Court tacked on as almost an afterthought the "caveat" to the Commission that the FCC was "cautioned to consider the economic impact of a new station as it might affect the interest of the public."

It was not a legal precedent, but the Commission would treat it as one. And it was meant to be applied only where economic impact could be proven, not alleged. And the Commission has stayed wary clear of "handling economic impact cases on an individual basis" for one very good reason: because, someone at the Commission has always been around to warn the Commission that if they actually allowed a CATV system to take a broadcaster to court where the broadcaster would be forced to prove economic impact, that the economic-impact erudite the broadcasters were leaning on would probably be removed by the court in swift order.

So the Commission adopted the premise that to allege was sufficient; and for more than 15 years broadcasters have been alleging right and left, and the Commission has been saluting the flag each time it has been raised.

The CATV industry is possibly the only industry in the country today which is totally regulated on speculative impact on existing industries. When the trucking industry started to make inroads into the railroad freight-hauling business, the ICC moved in because there was proven economic impact.

Let's face the truth squarely. The FCC has about as much business regulating

APRIL, 1975 55
lating the CATV industry as President Ford does operating the switchboard for the Democratic National Party Washington headquarters office!

NO — WE ARE NOT SAINTS...

Now while the FCC had no intention of letting CATV operate unregulated, and it would (and it did) break each of the Ten Commandments in fabricating regulations for CATV, CATV has (admittedly) not exactly kept its skirts clean.

First of all, we did a very bad thing to a very powerful Senator: Senator Pastore of Rhode Island, to be specific. We went to the Senator and we asked for regulation, and the Senator drafted a bill which we helped lubricate into final form (in 1959). Then we decided at the last possible minute we didn’t like the bill and that we didn’t like the theory of regulation. (which should have been the position to begin with), and we fought against our very own bill and against the Senator from Rhode Island. That was not nice, and Senator Pastore will remind you of that if you ask him. He may even remind you of that if you do not ask him.

Then CATV began to be a false prophet. Along about 1962, the complex of CATV started to change. Up until that time, if a man owned more than one CATV system, chances were pretty good he owned them in close proximity to his first system.

New CATV men, in 1962, a good way to make money. It did not compare to operating a television station (average profit of a television broadcast station in 1962 was $457,001 per station, for VHF, but a heck of a lot better than picking fruit in California’s San Joaquin Valley. Because CATV made

CARTER MOUNTAIN A BUMMER

The FCC was clearly looking for a case to establish precedent when Carter Mountain Transmission Co. came along in Wyoming. On February 14, 1962, the Commission granted a protest by Joseph P. and Mildred V. Ernst, owners of KWBV-TV, Riverton, Wy., and denied the pending application of Carter Mountain Microwave Transmission Co. for additional microwave TV facilities to serve CATV systems in Thermopolis, Riverton, and Lander, Wy.

The Commission found that the threat of economic impact by the expansion of the CATV facilities might degrade the KWBV service to the point where the television station would be forced to leave the air. In doing so, the Commission said:

"The Commission weighed showings that KWBV-TV is the only local TV outlet for the community against the fact that an increase in Carter’s facilities would permit the rendition of better and more-efficient service to the CATV-served community.

"If the Riverton pattern is permitted to be altered and the substantial return from Riverton to KWBV is reduced, KWBV-TV, despite the fact that it would strive harder, would find it more difficult to sell its advertising in the face of the split audience, and this situation, together with the facts of record, results in our judgment that the demise of this local operation would result.

"The Commission, in fact, admitted that the demise of KWBV-TV was an exercise in forecast judgment by the agency.

"In the spring of 1961, the FCC held field hearings in Wyoming on the matter of licensing (then illegal VHF boosters for operation inside the KWBV service area.

"At those hearings, KWBV-TV did everything it could to get the Commission to agree that VHF translators should not be licensed in the KWBV service area. The KWBV representative told the Commission representative, in 1961, "If VHF translators are allowed to bring out-of-area signals into Thermopolis, Lander, and Riverton, KWBV will be forced to leave the air, for it cannot compete in this limited market with signals from other stations."

56
pretty good money notice please that
made up tensen's, the industry be-
gan to attract some big-money com-
panies. It attracted the General Elec-
trics and the Westinghouses and the
ITT's and the broadcasters. Lord, how
it attracted the broadcasters! In short
time, 10% of all operating CATV sys-
tems were being run by broadcasters
the figure today is over 35%). And
initially most of these new people were
not (then) building new systems in new
in communities; they were buying old
systems in communities that had been
enjoying cable for five, 10, or 15 years.

This new breed lost no time in-
trating the national CATV associa-
tion, the National Community Tele-
vision Association (NCTA). In short time,
they had an active, vocal minority on
the NCTA Board of Directors. And
they had much bigger dreams for
CATV than the mere reception and
distribution of off-the-air television sig-
als to communities that lay behind a
bill or over the mountain.

It was inevitable that this new breed
of owner/administrator and hired engi-
neer would one day stop counting their
subscribers long enough to proclaim,
"Hey, you know what? Coaxial cable
can carry thousands of signals at one
time!"

Now to the non-technical types read-
ing this report, the fact that coaxial
cable can just as easily transport thou-
sands of signals simultaneously, as the
52 TV signals then commonly car-
rried, may not have much impact. So
consider this for an instant. If each sig-
nal carried by a piece of coaxial cable
could be separately addressed to dis-
tinct homes or businesses, selectively,
then the cable system which previously
only carried television to everyone
(collectively) would become a system
that also carried special messages to
anyone, individually.

To really make the Carter Mountain case less than justifiable, from the Commission's
espoused "protection for KWWB" point of view, is the following letter appearing in the
August 1962 issue of TV Horizons, from Roy Bliss, Secretary-Treasurer of Western
Television Corporation:

"Your February issue contained a full-page description of our situation with the local
station, KWWB-TV.

A point not mentioned in your report and one the Federal Communication Commis-
sion tried to and did ignore is the fact that Western TV, when it became evident that
long delays were in store for us, as operators in Thermopolis, Riverton, and Lander,
went ahead and constructed long cable/wire lines to do the same thing with wire which
microwave would have allowed us to do.

For example: (1) Thermopolis — We installed 21 miles of four-inch spaced open wire
line from Copper Mountain to Thermopolis, carrying two channels; (2) Riverton — We
installed three miles of conventional open wire line so bring KTWO. Cooper, into that
own; (3) Lander — We installed nine miles of ladder line to bring KTWO into that
town."

So what did Carter Mountain, as a case, prove? It certainly did not keep KWWB-TV
from having completion from other area stations in Thermopolis, Lander, and River-
ton. It only served as a precedent case for the Commission; and the Commission created
this precedent case, upon which so much else would be based in the future, by patently
ignoring the record and substituting CATV microwave for special treatment, while at
the same time it was allowing VHF translators to serve the affected towns with
the same signals which CATV microwave could deliver, and which CATV long runs of
open wire line did finally deliver!

And did KWWB-TV fold up, faced with this competition? Not on your life... the
Erastus still operate the station, and it is still on the air, serving an average weekly

circulation of 9,300 receivers in west-central Wyoming!

APRIL, 1975 57
Then those who enjoyed some comfort in the knowledge that their existing system had some value (i.e. Bell, broadcasters, etc.) were more than a little concerned that their present value might diminish in inverse proportion to the way cable-owning company stocks rocketed ahead. So naturally, those who might be affected adversely by the revolution started to gather their own “armies.”

So the new dawn of CATV, which began during 1963, had more than its share of adversaries going in. What is apparent now, in hindsight perspective, is that the cable television army was small in size and that it represented the CATV industry in name only. It had not then attracted the gentry still out climbing their own towers or running their own subscriber drops. Twelve years later, in 1975, it would still not have attracted anything approaching half of the CATV system operators, although until the Community Antenna Television Association came along, it would appear that virtually everyone in the industry was taking part in the revolution, but that is getting ahead of our chronology.

**NCTA RESEARCH COUNCIL**

By 1963 the National Community Television Association was largely in the hands of the “new breed” of system owner/operators.

The NCTA had formed in Pennsylvania in 1951; by mid 1952 it had approximately 35 members. All were “master antenna receiving system operators,” none were utilizing microwave for signal transportation (it was not legal at the time), and most were hometown boys with a hometown product.

The NCTA came into its own when something called the 8% Excise Tax was brought to the attention of Congress—and eventually repealed. The 8% Excise Tax cost every cable subscriber an extra 8% on top of their regular installation fee. The tax was eventually dismantled (1966), largely due to the efforts of the CATV industry and its Association, through the offices of one young attorney named Edwin S. (Straits) Smith. Based upon the success of repealing the 8% Excise Tax which affected CATV, a law firm would be formed: Smith & Pepper. And that law firm would handle the “account” of the still-new NCTA.

The NCTA would hire one William L. Dalton, the first trade association professional, as President.

In perspective, Dalton came into the CATV industry (from a field no related to CATV) espousing something called “broadband communications” (interpretation: CATV coaxial cables can transport much more than mere television signals).

Dalton gained his perspective of “broadband,” it is said, from those members of the NCTA Board who interviewed him for the job. Dalton not only believed in the broadband concept, but he had explicit instructions from some members of the Board to “mold the CATV industry in that image.”

The selling job done on him, Dalton had the immediate job of implementing the program. It would not be easy, because a thin majority of the NCTA Board was still firmly committed to the “master antenna” concept. The NCTA legal line at that time was still, “We are operators of master antenna services...” The NCTA Board was not controlled (yet) by the Broadband people, approximately eight NCTA Board Members determined that an Ad Hoc Committee would be formed and independently funded. The Committee was to be called the NCTA Research Council. Financing for the Council came from those broadband-oriented operators, each putting $5,000 into the pot to
create a first-year budget of $50,000. The Council was not only independent ly funded, it was to be independently run, separate from NCTA. When the Ad Hoc group went back to the NCTA Board with their program funded and ready to roll, it was presented to the NCTA Board as an accomplished fact. The NCTA Board, still thinly con trolled by traditional (master antenna) system operators, was presented with a choice: allow the new Ad Hoc group to go its own way and threaten to mushroom into a new trade association made up of broadband people, or ac cept the Ad Hoc Committee program as a part of the NCTA program.

Faced with this decision, the NCTA Board decided to give the Ad Hoc group semi-autonomous stature by calling the group The NCTA Research Council, with the agreement that the Council would report directly to the NCTA Board, not President Bill Bolton. Funding, however, was not from the NCTA; the $50,000 initially raised by the broadband people would have to support the effort for one year. The acceptance of this program by the NCTA Board was not without many misgivings. One prominent operator, Carl Williams, recalls listening to the division of the industry and the agreement reached and sketching on his yellow legal pad a house with a rooftop antenna, and next to that an other drawing of the same house with the rooftop antenna broken over. Und er this sketch Williams set down the words, "... this is the end of the mas ter antenna theory of CATV...."

The importance of the Research Council is not so much for what they did or how much good the Council did for the broadband concept (most would agree that the Council produced no really industry-shaking develop ments), but rather the sudden emer gence of broadband in CATV, and the rapid take-over of the industry trade association by broadband proponents.

Who Has The Image?

So the image of CATV became large ly broadband in coloring, a situation that exists today, Yet today, 12 years after the concept gained favor and the NCTA Board bestrside dominated by its proponents, no more than 2% of all operating CATV systems have opera ting broadband communication system technology.

So We Asked For It...

So NCTA asked for the regulators' interest of Washington and Alhany and Hartford We asked for it because our image was newly molded in the concept of "revolutionizing American communications." Cable threatened to change the face of America, only twelve years after, the threat is still a mere threat, and given today's regulatory climate, we as an industry will be fortunate if twelve years hence we are still even providing master ant enna services.

The regulatory spheres in America believed we were capable of effecting a communications revolution, and they have (and are) regulated us accordingly. And in the process of regulating us as if we were as revolutionary as we sounded, the basic services which all systems provide (more than 2,050 sys tem still provide nothing but the basic master antennae service to their comm unities), the very life blood of CATV, of the air broadcast signals, is being taken away.

Ten million American homes now re ceive television through CATV ser vices. Virtually all of these homes have interconnected to their local CATV services because television reception from rooftop antennas is poor in their areas. Television reception is poor for (according to GAT) no fewer than 22.4 million U.S. homes CATV can equalize the mistakes of the FCC and provide for an equality of television broadcast services to most all of disenfranchised America: if only it will be allowed to do the one job it does best.

APRIL, 1975

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