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CATV

October 13, 1969

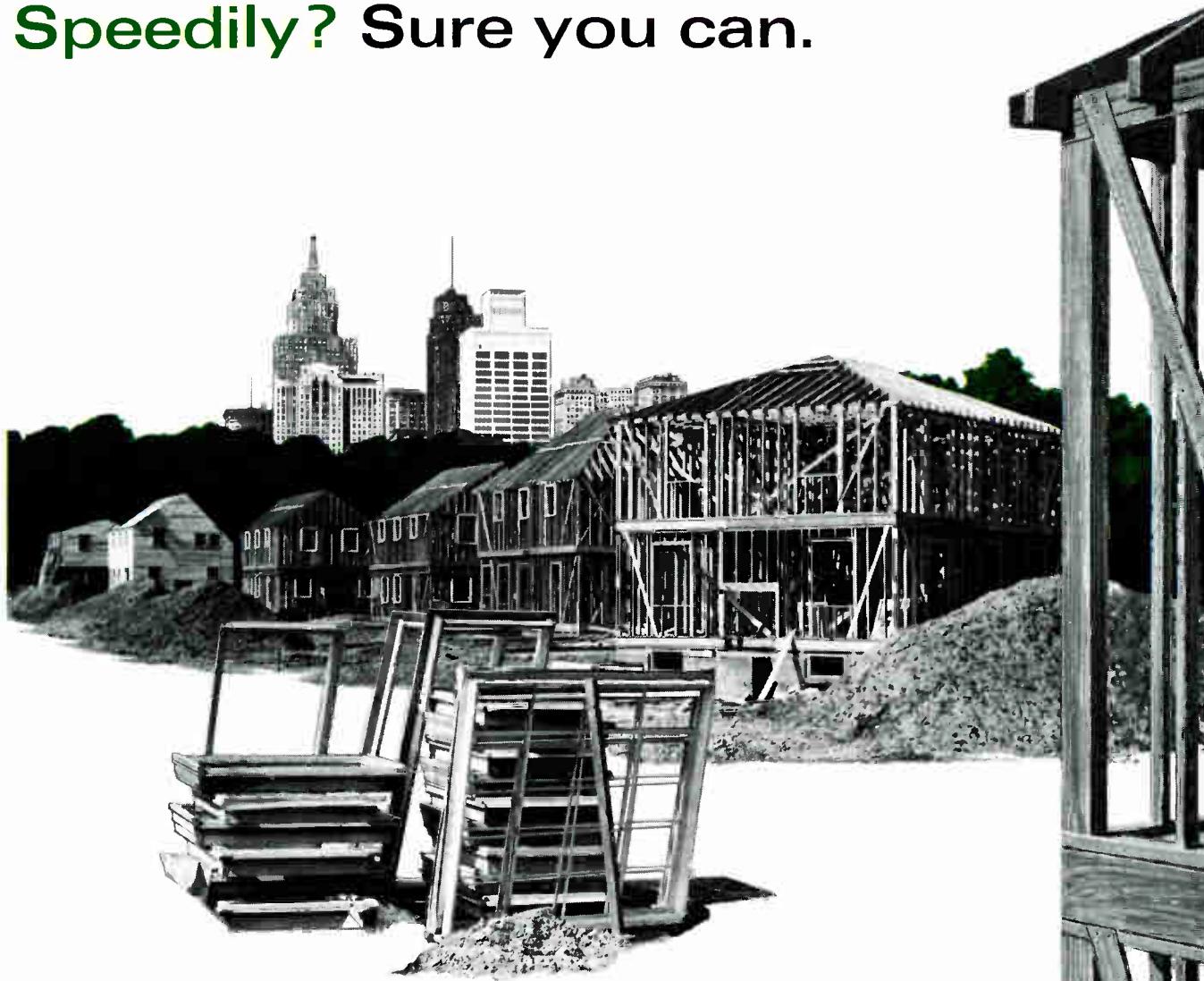
Authoritative Newsweekly of Cable Television



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Conspectus



OUR COVER

Sunnyvale, California City Manager, John Dever (left) is interviewed by Norman Bennett (center) general manager and Roy Peterson, president of Peninsula T.V. Power Inc. Local programming is televised from the studio which is equipped for color.

CATV

Authoritative Newsweekly of Cable Television

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CATV panel at NARUC convention includes NCTA's Bruce Lovett and R.I.'s Archie Smith. Both define CATV as not being common carrier, or public utility.

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Date is set for confirmation of Dean Burch and Robert Wells to positions in FCC. Sen. Pastore to chair hearing committee.

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Sex and violence in movies is topic of letter from Frederick W. Ford to Copyright Subcommittee Chairman Sen. McClellan. Ford says CATV will not air offensive movies.

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Villanova broadcast professor writes to two Pennsylvania Senators saying that he is "shocked" at the FCC shackles on CATV.

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CATV, October 13, 1969, Vol. 3, No. 41. Published every Monday by CATV Publications, Inc., 1900 W. Yale, Englewood, Colorado 80110, (303) 761-3770. Subscription Rate: \$33 for 52 weekly issues, plus CATV Systems Directory and CATV Equipment Directory. Single copy price: \$2.00. CATV (title registered at U.S. Post Office) Second Class postage paid at Englewood, Colorado. For subscription orders, renewals, and address changes contact the CATV Circulation Department: Please allow six weeks for processing. An address label will expedite address changes.

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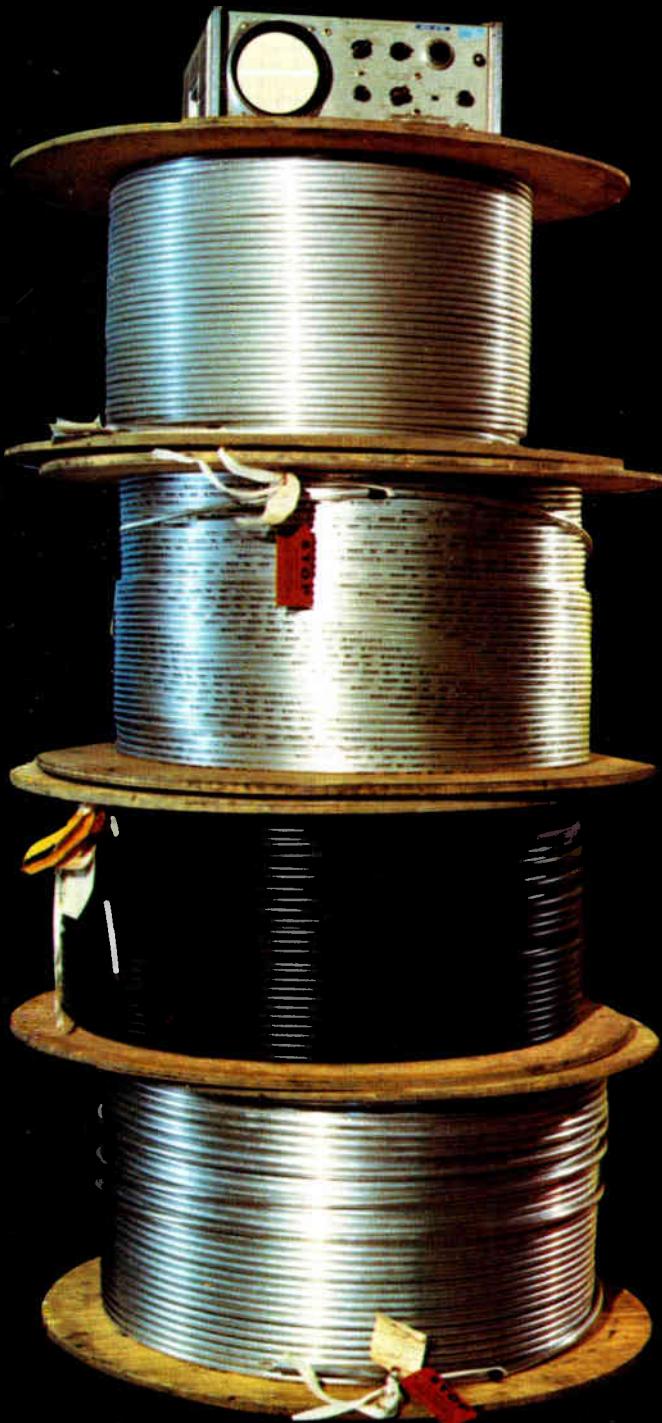
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Viewpoint

*Robert A. Searle
Editor*

A Growing Community Of Interest

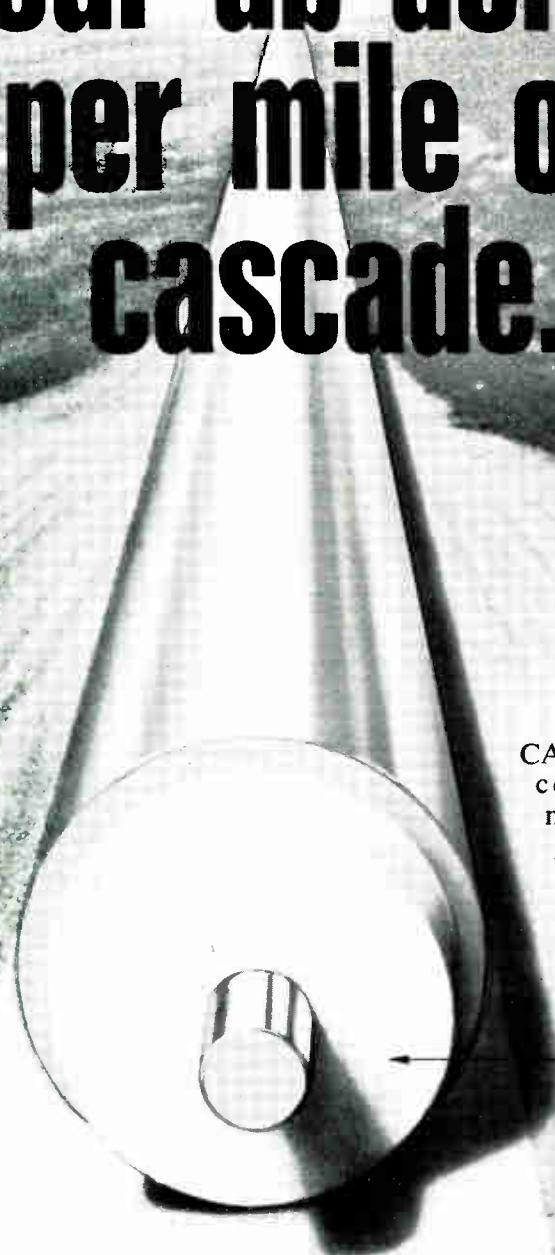
In these days, when the copyright issue has preoccupied so many people for so long a time, there is mounting danger that a permanently damaging prejudice could develop on the part of both cablemen and broadcasters. Tension is understandably high between the two camps with resolution of copyright seemingly impossible; but this only means that the need for objectivity and calm appraisal is all the greater. There is much evidence to support the statement made several weeks ago by NCTA chairman Bill Adler that the NAB copyright negotiating committee does *not* represent a consensus of broadcasters. There is every reason—from private statements made by broadcasters to statistics reflecting broadcast ownership of cable systems—to believe that anti-CATV bias cannot have infected the whole of the NAB membership as completely as the actions of the copyright negotiating committee would indicate.

There is no reason to suppose that the inflammatory issues between CATV and broadcasters will die out in the near future. At the same time, there is every reason to recognize that—despite the barriers—there is an ever-growing community of interest between the groups. As cablemen become more and more involved in program origination and advertising, for example, they can identify with many of the programming concerns of broadcasters . . . and can hopefully join with broadcasters to formulate policies in this area which will not only promote the best interests of media but promote the best interest of the public.

Typical of the concerns shared by the two groups is the question of what to do about some of the controversial "sex and violence" movies which are coming into the television market. As NCTA president Frederick W. Ford noted in a letter to Senator McClellan last week, there has been a continuing effort on the part of many television station owners and managers to deal sensitively with this problem, and he concluded, "Our industry can and should do no less." As he also pointed out, NCTA members and other system owners already follow established ethical practices which would not permit carriage of certain types of movies. This code, in fact, embodies many of the same provisions that now govern broadcasters. This, together with the realization that both media serve the same American viewers, the same public welfare—and that both media have a grave interest in preserving programming content from government control to the greatest extent possible—establishes a sound base for cooperation.

Future progress on this front and many others depends upon all parties coming together in true good will and openmindedness. The results of prejudice have already been seen in one area where the anti-CATV sentiments of some broadcasters stamped an entire organization. Let's be certain no such blind spot develops in our own industry.

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Lovett & Smith Defend CATV Against State Regulation At NARUC Convention

NCTA's Bruce Lovett's aggressive approach in defending CATV against the possible plague of public utility regulation at NARUC annual convention wins friends for cable TV.

Emerging CATV-public utility legislation was denounced by Bruce Lovett, National Cable Television Association general counsel, and by Archie Smith, a Rhode Island Public Utility Commissioner, at the annual convention of the National Association of Regulatory Utility Commissioners held last week in Denver.

The two men, who were panelists at the convention along with Henry Geller, Federal Communications Commission general counsel, spoke on the topic of "CATV and the Emerging Federal-State Regulatory Mix." The sides seemed uneven at the outset, but in an unexpected turn of tenor, Smith said that curtailment of CATV by state legislation is unjustified.

Smith has only recently joined NARUC, and has been on the Rhode Island PUC commission for less than a year.

Surveillance Not Regulation

The state of Rhode Island, which Smith represents, is one of three states which have enacted public utility regulation of CATV. Although Smith claimed that Rhode Island's jurisdiction is limited to only rate surveillance, not rate regulation, the state at present has only one operating system. The other states which have enacted CATV regulation are Connecticut and Nevada, and eleven more states have proposed regulation.

"CATV is not a public utility," said Smith, "because while it is affected with public interest and convenience, it is not at present a public necessity . . . it is not a common carrier."

Smith said that in his opinion the decision to regulate cable television as a public utility must be based upon the present character of the industry rather than anticipated developments, although he added that eventual regulation of the industry is inescapable. "As CATV develops in the area of non-



NCTA General Counsel Bruce Lovett comments against utility regulation.

entertainment services and provides services which become very important to the home and to industry it takes on characteristics requiring regulation," said Smith.

The subject of future regulation first arose with the unexpected aggressive approach by the first speaker Bruce Lovett, who admitted that regulation is in CATV's future—accompanying the industry's progressively broadening area of services.

Lovett stepped on some commissioners' toes by throwing in evidence that NARUC had "taken after cable." A copy of *NARUC News* dated Sept. 25, 1969, which had been sent to the general counsel, "contained five pages of polemics proposing that CATV should be regulated by the states," said Lovett.

Position Perplexing

He said that he is perplexed with respect to the association's position. "I represent a trade association—a so called vested interest—a term which . . . is frequently used to connote invidious intent." But NARUC, Lovett pointed out, is not a trade association. He said that the regulators' organization should base its positions upon study, deliberation and judicious review of regulatory problems.

Lovett said that one of the reasons that CATV has been attacked by state utilities commissions, is because "CATV to a casual observer looks like a telephone company"—it places cables on utility poles, obtains franchises, etc. But he added, "CATV is not a telephone company" and shouldn't be regulated like one. "You do not regulate wire, you regulate service."

Lovett told the audience that CATV is not a monopoly operation. It has competition problems which distinguish it from utility type business, he said. He gave examples of competition from broadcast signals, translators, movie

(Continued on page 19)

Hearings Set For New FCC Nominees

President Nixon's appointments of Dean Burch and Robert Wells to the FCC will be the subject of confirmation hearings October 15 before the Senate Commerce Committee.

Sen. Warren Magnuson (D-Wash.) announced the hearing date last week. No date had been set previously, pending a decision from Magnuson, but he designated Sen. John O. Pastore (D-R.I.), Chairman of the Communications Subcommittee, to chair the hearing.

Burch was designated to succeed Rosel H. Hyde as Chairman of the

FCC. His seven-year term will run through June 30, 1976. Wells will take over the unexpired term of James J. Wadsworth, which ends June 30, 1971. Wadsworth is returning to the State Department to work on the International Telecommunications Satellite Delegation.

Burch is a Tucson attorney and former aide to Sen. Barry Goldwater (R-Ariz.) and Chairman of the Republican National Committee. Wells is general manager of Harris Radio Group, a midwest collection of small radio stations.

N.Y. Cable Hearing Witnesses Plead No Need For State Regulation

New York cableman and supporters unite to present arguments. Witnesses at state committee hearing in Albany provide strong base for next hearing.

Cable television hearings were held last week by the New York Standing Committee on Corporations, Authorities and Commissions of the State Assembly. The committee was looking into what kind of regulation, if any, that the state should impose on CATV.

A fine array of witnesses for the cable television industry met only slight detours in the direction of the program—that of Bernard Cooper, chief of the bureau of mass communication for the New York State Board of Education, and by a representative of the motion picture theater owners who delayed the assault of the theater owners until the Oct. 15 hearing by saying that the man supposed to testify was unavailable.

One-Fifth CATV Set Aside

Cooper testified that in many areas CATV is already offering channels to the school, but he said that education must have access to new forms of communication and that one or more channels on a cable system should be dedicated to education and other non-commercial purposes. He proposed that the state consider legislation that would require one-fifth of the available CATV capacity be set aside for educational and non-commercial public services.

Cooper further recommended that an advisory task force be set up to plan for CATV as well as for other telecommunication needs in the state of New York.

Witnesses for the industry included Leslie Read, CATV operations manager for TelePrompTer and immediate past-president of the N.Y. association. He explained what CATV is and outlined the basic position that CATV should not be regulated.

Chairman of the board of supervisors of Chemung County, John Gridley, testified that the citizens there live very happily with cable systems which are growing substantially and offering increased services. He promoted the concept of home rule and said that he was

very much opposed to states getting involved.

The mayor of Rome, N.Y., William Valentine, testified much the same way, saying that local franchise and local control is sufficient.

Senator James Hastings, 38th Congressional District, testified that it would be premature for any state to regulate prior to Congress's final disposition of the matters now pending.

"This would be the most effective way to act in the public interest . . ." he testified and added that in any consideration for regulation, the most important factor is the public interest. He predicted that before the 91st Congress adjourns there will be some form of new CATV regulation.

G. Norman Penwell, director of engineering at NCTA, commented on the technical developments to date and the technical future of CATV in terms of plans and prospects.

One of the longest established operators in New York State, Jack Pryor, testified that the smaller systems could not stand more regulation.

Regulation Not in Order

Alfred Stern, president of TeleVision Communications, N.Y., supported the point of view that CATV should not be regulated now because there are too many unsolved questions on a federal level. He said that the state would be acting properly in looking over the situation each year, but said that state regulation is not in order based on federal and local regulation.

Witnesses for the next hearing to be held in New York City this week will include Frederick W. Ford, president of NCTA; Irving Kahn, president of TelePrompTer Corp.; Charles Dolan, president of Manhattan Cable TV; Morris Tarshis, Bureau of Franchises of New York City, or one of his representatives; and Edward Shafer, serving as a consultant.

MEETING CALENDAR

OCTOBER

12-14—West Virginia CATV Association, fall meeting. The Greenbrier, White Sulphur Springs, West Va.

13-15—"Seminar for Antenna Site Design and Maintenance." National Cable Television Center.

15-16—Louisiana Association of Cable TV Operators Convention, Holiday Inn, Alexandria, La.

15-17—Kentucky Cable Television Association fall meeting. Hospitality Motor Inn, Lexington, Ky.

20-21—North Central CATV Association fall meeting. Playboy Club, Lake Geneva, Wisc.

20-21—Mississippi CATV Association Annual Meeting. Broadwater Beach Hotel, Biloxi, Miss.

22—New England Cable Television Association fall meeting. Brown Derby Supper Club, Montpelier, Vt.

30-31—Mid-America CATV Association. Prom-Sheraton Motor Hotel, Kansas City, Mo.

NOVEMBER

6-8—NCTA Cablecasting Seminar. National Cable TV Center, Pennsylvania State University, University Park, Pa.

9-12—"California Community Television Association Western Cable Television Show."—annual meeting. Hotel Del Coronado, Coronado, Calif.

DECEMBER

3-5—Eighteenth International Wire and Cable Symposium—theme: "Wideband Cable Transmission Systems" Shelburne Hotel, Atlantic City, N.J.

JANUARY

8-10—Rocky Mountain Cable Television Association Annual Meeting. Safari Motel, Phoenix, Ariz.

N.Y. Court Of Appeals Decides In Comtel Favor

New York State Court of Appeals ruled last week that New York City had no power to regulate underground telephone lines providing cable television to individual paying subscribers. The 7 to 0 ruling favoring Comtel Inc., was believed to be the first of its kind by the highest New York state court.

The decision affirmed one on April 17 by State Supreme Court Justice Matthew M. Ledy who had ruled against the city's contention that the charter empowered it to control "the use and occupation of the streets." In an unusual mark of deference to the reasoning in Judge Ledy's 44-page opinion, neither the Appellate Division earlier in affirming it 5-0 nor the Court of Appeals in its unanimous opinion last week, made any comment. Thus the state's 12 appellate judges affirmed Justice Ledy's ruling and opinion as the law of the state.

Comtel now provides service in part of Manhattan. At an installation cost of \$19.90 and a monthly rental of \$3.90, the company provides reception for about 11,000 television sets. Comtel is the smallest of the four CATV firms in the metropolitan area. The three others received franchises from the city after installing their own equipment. Under the terms of the franchises, the three largest companies turn over 5 percent of their gross to the city which Comtel is now exempt from paying.

The court decision which was based on narrow grounds, could be effectively reversed either by state legislation or by revision of the city's franchising rules.

The FCC is scheduled to hold hearings in December to decide whether New York Telephone Company has the right to lay additional cable in large New York City areas of both the east and the west side for use by Comtel. Under last week's ruling whatever the FCC decides, the city has lost the right to benefit economically from private cable television under city streets barring new federal laws. The FCC will not be concerned with specific legal issues raised by the city in the licensing of Comtel. Rather the Commission will be concerned with either approving or rejecting "a certificate of public con-

venience and necessity" submitted by the telephone company for the additional line.

NCTA Legal Staff Gets Attractive New Member

The prettiest lawyer at NCTA is Miss Marjorie (Peggy) S. Reed, the new member of general counsel Bruce Lovett's staff. A 1968 graduate of the Georgetown University Law Center, she replaces Jerome Tingle on the legal staff.



Marjorie S. Reed, new NCTA Legal staffer.

Miss Reed is a native of Pittsburgh and a graduate of Smith College. She most recently was law clerk to Robert E. Maxwell, Chief Judge of the U.S. Court for the Northern District of West Virginia. She traveled with the Court and spent much time observing procedures and researching cases involving corporate problems, federal criminal problems, and habeas corpus cases.

A native of Pittsburgh, Miss Reed now resides in the District of Columbia.

Sex, Violence Not On CATV Billboard Says Ford

One of the most complicated questions now confronting the entertainment industry—and one that CATV systems will have to cope with as program origination comes into its own—is how to bring into the homes of

America the motion pictures that are now so highly controversial because of their elements of sex and violence.

The television industry is increasingly worried, and pressure from Capitol Hill has already mounted. NCTA president Frederick W. Ford last week assured one worried Senator that cable television will bear the public interest in mind.

Sen. John L. McClellan (D-Ark.) last month deplored "the flood of movies wallowing in sex, perversion and pornography" and sent out a questionnaire to motion picture producers, television stations, the National Association of Broadcasters, Motion Picture Association of America (MPAA), and others, in addition to NCTA. The questionnaires probed whether TV stations should be allowed to show films that have been classified by MPAA as not suitable for minors.

MPAA has G, M, R and X ratings. G is for general, M for mature, R for restricted and X is forbidden for youngsters. Ford referred McClellan to the NCTA Code of Ethical Practices and said: "To the extent therefore that 'M', 'R', or 'X'-rated movies do violence to these principles they would not be recommended by NCTA or scheduled by our member systems."

The NCTA president said that "Programs of questionable taste, moral value or social conscience are clearly not in the public interest nor consistent with NCTA policy or code."

Ford cited contemporary confusion of definitions of obscenity, morality, etc., and said that "there is some solace in witnessing a continuing effort by some in television to react not to their personal tastes but in deference to the presumed sensitivity of some of their viewers."

FCC Issues Order Over Pole Attachment Trouble

Continental Telephone Corp. and its affiliates have been directed by the FCC to show cause why they should not be ordered to cease and desist from construction, operation and offering of CATV facilities in Sussex Borough and Wantage Township, New Jersey, in violation of Section 214 requirements that telcos first obtain certification from the

Commission. The FCC set the case for hearing.

The Commission action came after a complaint from Garden State CATV Inc., which has one operating CATV system in New Jersey and is an applicant for franchises in Sussex Borough and Wantage township. Garden State complained that Continental subsidiary Farmers Union Telephone Company refused to consider a pole attachment agreement with Garden State, insisting that it would only construct lease-back facilities for CATV systems. Garden

State also said that Farmers Union is now building facilities for Continental's cable affiliate, Continental Transmission Corp.

The telco denied that it refused to enter into a pole attachment agreement with Garden State and even said that the CATV firm had refused to meet with its representatives.

In setting the hearing, the Commission placed the firms on notice that "any further construction or extension of lines without regard to the requirements of Section 214 of the act shall be at their own risk and shall not be considered to form a valid basis for special consideration. Further, any such construction or extension of lines shall be subject to affirmative remedial action, including our ordering said companies to divest themselves of CATV facilities if we find that said companies have engaged in unlawful or anticompetitive conduct or if otherwise required."

to assure that CATV is permitted to reach its full potential as a communications medium. This action would promote the ultimate goals of diversity, efficiency, and innovation that have been the hallmark of the American broadcasting industry.

"The issues in this matter are of landmark importance. In order for broadband cable systems to reach their full potential, the FCC should take the affirmative steps recommended by the Justice Department to actively foster competition among communications media."

CATV Is Topic Of Cox UHF License Dissent

One of the prime concerns of the FCC is getting broadcasters who have permits to build UHF stations to actually get them on the air, and several months ago the Commission stripped several of these permits from holders who have not gone ahead with construction. Commissioner Kenneth A. Cox dissented to part of that FCC action, and his dissent—released for the first time last week—reveals that his position was determined in part by his reaction to CATV, which is not notably enthusiastic.

Cox's reasoning seems to be that UHF stations naturally have a hard time getting on the air, and if a permit is taken away, CATV may more easily move into the market and discourage future attempts at activating UHF television there.

Radio Longview Inc. in Longview, Tex., was one of the permittees to be stripped of its UHF authorization, and Cox's comments afford an insight into his approach to the cable television industry.

"I am particularly concerned about the impact of the action as to Longview upon the cable situation in this area," Cox wrote in his dissent. "Some time ago—before our proposals of Dec. 13, 1968—we designated a number of cable proposals in this area for hearing because of concern about their impact on the development of local UHF service there.... Radio Longview opposed, at least in part, the plans of the

(Continued on page 19)

CATV—October 13, 1969

CABLEVISION SYSTEMS APPOINTMENT



Robert Christie

'Bob' Christie has joined the Welsh organization's Head Office in Vancouver. He assumes the duties of Staff Engineer in the newly formed CATV management company, Cablevision Systems.

Moving to Vancouver from the Welsh Hawaiian CATV projects, Bob has built a solid reputation as a most experienced and competent engineer in all phases of CATV construction and design. He also brings to his new position an extensive background in all aspects of micro-wave.

Welcome aboard Bob.

CABLEVISION SYSTEMS

Head Office
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Vancouver, Canada



On Capitol Hill

Hearings For FCC Newcomers: Committee To Focus On Burch

CATV Washington Bureau—One of the most interesting and, undoubtedly, one of the best attended Capitol Hill hearings in some time will begin the morning of October 15, when the Senate Commerce Committee has before it President Nixon's nominees to the FCC, Dean Burch and Robert Wells. The room will be jammed with spectators and press, the Committee's attendance will be unusually good, and the television lights will be glaring as Sen. John O. Pastore (D-R.I.) bangs his opening gavel. The reason for the attention: the FCC, one of the most controversial and more important of federal agencies, is going to get a new chairman for the next seven years, and clues toward the agency's future direction are scarce and difficult to read.

Wells, of course, as a Commissioner will have the same number of votes on Commission matters as Burch (one), but will have far less to say about policy, setting priorities, and orchestrating issues. Also, he is to fill the unexpired term of James J. Wadsworth, and hence won't be around as long as Burch. The Senators undoubtedly will go over Wells's positions on various subjects carefully, particularly in light of his experience as a broadcaster. But the closest grilling will be reserved for Burch, who not only has a full term ahead as FCC Chairman but has a public political record. He will be shaping policies in a federal agency that has become the focal point of national controversy.

Burch Attitude Study

Some of the Senators will be anxious about Burch's conservative background. Formerly an aide to Sen. Barry Goldwater (R-Ariz.), he took over as Republican National Committee Chairman following Goldwater's capture of the Republican presidential nomination in 1964. The fabled predisposition of conservatives to favor big business will not be the only concern of commerce committee members, there is also the attitude of Goldwater conservatives toward the news media—it was at the 1964 convention that the delegates raised such a cheer when Ike denounced "sensation seeking columnists and commentators"—which could have bearing on many FCC Fairness Doctrine rulings. Although Burch said that his participation on the panel that recently suggested a plan for giving presidential and vice presidential candidates free television time during their campaigns did not have anything to do with his regulatory ideas, the natural assumption is that he leans very

strongly in that direction and would encourage FCC action to provide TV time to political candidates if the way seemed clear.

Capitol Hill is just plain jumpy about Nixon appointments right now anyway. Clement Haynsworth's appointment to the U.S. Supreme Court is a case in point. Nixon's appointments in general have been of conservatives, and Burch is no exception. With the Senate being two-thirds Democratic and definitely more liberal than most of the appointees, "advice and consent" is getting to be a difficult thing to get, particularly if any question at all about the suitability of the man named can be raised. Whatever the conflict of interest charges that were brought against Haynsworth, it must be remembered that initially much opposition to his appointment came simply because Senators disagreed with his philosophy and his politics. If nothing damaging can be uncovered in such cases, Senators tend to rather bad-humoredly okay the appointment.

CATV Questions Certain

Pay-television is another perennially hot topic that Burch is sure to be asked about, but the questions of most interest to the readers of this publication naturally will center around CATV—how does he think CATV should be regulated, what balance needs to be struck between cable and over-the-air television, how closely does UHF television need to be protected and how should allocations policy be handled?

With Pastore presiding at the hearing there may well be questions about the regulation of sex and violence in television programming, and Burch may be pressed for a position on the "Pastore Bill," proposed legislation that would protect licenses from challenges until the FCC had found the present licensee unfit to operate on the airwaves. Also a highly charged issue in the communications field—whether single ownership of various media, such as broadcast, newspaper, and cable, in a single community should continue to be permitted.

These touch on some of the volatile subjects that will be broached at the hearing, and a few newsworthy quotes—even if nothing that Senators will hop on—are sure to be forthcoming. A time-honored refuge of the cautious nominee, however, is equivalent to pleading the Fifth Amendment—simply stating that he is as yet unfamiliar with the intricacies of the issues and begging off answering until later. Senators have a way, however, of saying, "Well, yes, of course you haven't yet become an expert on this, but surely you can tell us just in general how you feel about the subject." Often enough, attitudes do emerge.

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Moving Up

Robert W. Burton has been elected president of the Times Wire & Cable Co., Wallingford, Conn. A graduate of Western Reserve University, he joined the firm as a sales manager in 1958. He became vice president-sales in 1966 and vice president-general manager in 1968.

Information Network Incorporated, San Francisco, has announced the appointment of *Sam A. Ruttenberg* as vice president of engineering. He will head the firm's technical operations. The new firm is a producer of news and information programming on a computer on-line basis to cable television systems and manufactures a line of specially designed computer terminal equipment for the CATV industry. Ruttenberg was formerly project manager for Logicon, Inc., San Pedro, California. Previously he was associated with A. W. Haydon and Bissett-Berman Corporation.

Continental Transmission Corp. has announced the appointment of *Bill J. Love* as manager for the firm's Arkansas division. He will be responsible for all operations in the four Arkansas cities served by the company. Before joining the firm, Love was with National Trans-Video in Whittier, Calif. as system manager.

Cox Broadcasting Corp. has announced the election of *Marcus Bartlett* to executive vice president of all non-broadcast divisions. Bartlett's duties will include supervising the firm's cable television division.

Stuart Clark, former program director for TV Transmission CATV, Lincoln, Nebraska, has joined the Times-Mirror Co. of Los Angeles as Division Manager for the Palos Verdes and Long Beach CATV systems.

R. E. Silverthorne has been appointed to the newly created position of installation training supervisor for Maclean-Hunter Cable TV Ltd. In this position, he will check systems for installation quality and procedures. He was formerly chief installer of the firm's Toronto system.

William A. Rheinfelder has been named vice-president-CATV at RJ Communication Products, Inc. Rheinfelder, author of the book *CATV System Engineering*, will be responsible for all CATV operations of the company.

Columbia Cable Systems, Inc. has announced the appointment of *Joel Rund* as controller. Rund will assume responsibility for financial control over the firm's cable operations. He was formerly assistant controller for Television Communications Corp.

James T. Ragan, has been named president of Athena Communications Corp., a Gulf & Western Industries, Inc. company. Ragan replaces Abram E. Patlove who has resigned to pursue personal interests and business opportunities. A graduate of Oxford University, England, Ragan was associated

with General Electric Company for 15 years before joining Athena Communications this year. Prior to joining the firm, he was manager for GE's cablevision corporation.

Southern Telephone Supply Company of Decatur, Georgia, and Memphis, Tennessee, has announced the appointment of *J. O. Smith*, Atlanta, Georgia, to general manager. He was formerly associated with ITT Kellogg and Cook Electric Company.



Mr. Bartlett



Mr. Burton



Mr. Rheinfelder

Travis E. Garrett has been promoted to general manager of National TV Cable Inc. and *John W. Smith* has been appointed to manager-technician of Oxford TV Cable Inc. a subsidiary of the Waynesboro, Miss. firm.

Patrick J. Conley has been named general manager of Continental Cablevision of Michigan, Inc. He has served the company in Galion, Crestline, Willard, Plymouth and New Haven offices. Prior to joining the firm he was employed by F. W. Woolworth Co. in various management capacities.

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Noram employs a fleet of well equipped CATV construction vehicles, including hydraulic bucket lifts. Skilled linemen install many miles of CATV plant each month using the latest in automatic tools.

Franchise Activity

CALIFORNIA: Oakland: Oakland Cablevision, Inc., a subsidiary of American Television and Communications Corp., has submitted its franchise bid to the city council. Oxnard: The city council has granted franchises to LaPlaya Cable Co. and Oxnard Cablevision, Inc. Franchise fee has been set at 5% of the gross annual receipts. . . . Pasadena: Nation Wide Cablevision, Inc., an affiliate of International Television Cable Corp., has submitted its franchise bid to the city directors. The firm has proposed a franchise fee of 5%.

COLORADO: Florence: Tele Vents, Inc. has submitted its franchise bid to the city council. The firm proposed a franchise fee of 2% of the gross revenue.

FLORIDA: DeLand: Volusia County commissioners have granted a non-exclusive franchise to T.M. Corp. Fran-

chise fee has been set at 6% of the gross income. . . . Fort Meade: The city council has tentatively agreed to grant a 20-year franchise to Allied Cablevision, Inc. According to terms of the agreement, franchise fee will be 8% of the gross income and rates will be \$9.95 installation; \$4.95 monthly.

. . . Kissimmee: The city council has awarded a franchise to American Television & Communications Corp.

. . . Wauchula: The city council has awarded an exclusive franchise to Micanopy, Inc. The firm has agreed to pay a franchise fee of 3% of the profits after the first year of operation.

GEORGIA: Newnan: The city council has announced that it is now accepting franchise bids.

ILLINOIS: Grayslake: Vue Sonics, Inc. has submitted its franchise bid to the village board. The firm is asking for a

25-year franchise and is offering the village 5% of the gross receipts as a franchise fee.

IOWA: Mt. Pleasant: Iowa Video Corp. has submitted its franchise bid to the city council. The firm is offering a 10-channel system.

MICHIGAN: Saline: The city council has given second reading to an ordinance granting a franchise to Michigan Communications Group, Inc.

MINNESOTA: Litchfield: The city council has granted a franchise to Mid-continent Group Co. The firm is planning a 10-channel system.

NEW JERSEY: Glen Ridge: Essex Cable TV Co., Inc. and Sterling Communications, Inc. have each submitted franchise bids to the city council.

NEW YORK: Warwick: John Bradner and Edmund N. Klein have asked the town board for a franchise to serve the area. . . . Webster: The town board has received a franchise application from People's Cable Television.

OHIO: Clyde: Fremont radio station WFRO has submitted its franchise bid to the village council. . . . Huron: North Central Television, Inc. has submitted its franchise bid to the city council. The firm is proposing a franchise fee of 3% of the total gross revenues.

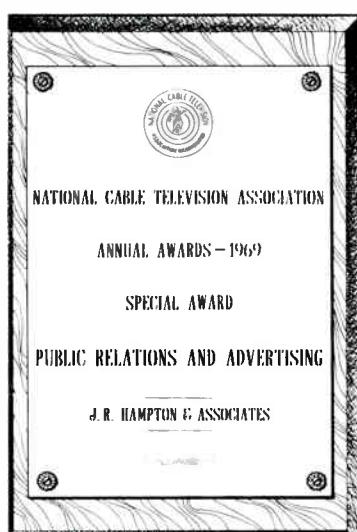
PENNSYLVANIA: Brentwood: E.J. Daly of Broadway Maintenance Co. has asked the borough council for a franchise.

TEXAS: Beaumont: The city council has awarded a franchise to Jefferson Cablevision, Inc. after a Beaumont Cablevision, Inc., franchise was suspended by certification of referendum petitions. . . . Corpus Christi: The city council has given final approval to the granting of a five-year franchise to Cablecom-General, Inc., of Corpus Christi. Franchise fee has been set at 6% for the first year rising to 10% the fifth year.

QUEBEC: St. Ferdinand d'Halifax and Bernierville: The CRTC has awarded a license to operate a CATV system to J. Gilles Drolet.

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System Construction

CALIFORNIA: Mel's TV, which operates a system in Healdsburg, has asked the city council for permission to raise monthly rates \$.50 to help cover the cost of adding 3 video channels to the present 7-channel system.

Gilroy Cable TV has announced the expansion of its system to serve Hollister. The firm will operate as Hollister Cable TV and is planning a 20-mile, 20-channel capacity system.

Sierra Video Corp. has announced that construction is scheduled to begin shortly in Three Rivers. The firm is planning a 9 video channel system.

Imperial Valley Cable Co. has announced its expansion to serve residents of Westmorland. The firm offers subscribers 12 video channels.

INDIANA: First Television Co. has announced that construction is scheduled to begin soon in Delphi.

MICHIGAN: Officials of National Cable Co. have announced that its system which will serve East Lansing is scheduled to be energized by December 1.

NEBRASKA: Ogallala Community TV Co. which serves Ogallala with 9 video channels has moved two television antennas to twice their prior heights in order to increase the quality of reception.

NEW JERSEY: CATV of Elizabeth has announced that construction of its proposed 21-channel system to serve Elizabeth is presently under way. Rates have been set at \$15 installation; \$4.95 monthly.

NEW MEXICO: Cablecom General, Inc. has announced the addition of four Los Angeles and one Juarez, Mex. stations to its system which serves Roswell. The firm was previously offering subscribers 9 video channels.

NEW YORK: Adirondack Cablevision has announced that construction is presently under way on its system which will serve Boonville. According to an

official of the firm, the system is expected to be operational near the end of November.

NORTH CAROLINA: Thoms Cablevision, Inc. has announced plans to expand its system which serves Asheville. The expansion involves four sections of the city and will offer 7 video channels to an additional 3,500 homes. Cablevision, Inc. has announced that construction of its tower to serve Mt. Airy is nearing completion.

OHIO: Akron CableVision has announced that construction is under way in Akron. A pilot project to test reception has already been energized and full-scale construction is scheduled to begin the first of the year.

SOUTH DAKOTA: South Dakota Cable, Inc. has announced that hookups are now under way in Sturgis. The

firm is offering subscribers 6 video channels.

TEXAS: Cablecom General Inc. has announced the addition of three UHF stations plus weather service to its system which serves Denison. The firm previously offered subscribers 5 video channels.

Gulftron, Inc. is presently in the process of converting its Goliad system to transistorized operation. The firm purchased the system from Controlled Enterprises, Inc. on May 1, and has since been in the process of updating and improving the system.

214 APPLICATIONS: New York: Adams; General Telephone Co. of Upstate New York, Inc. for Jefferson Cablevision Corp.; Cost, \$94,500; File No. P-C-7542. . . . Pulaski; General Telephone Co. of Upstate New York, Inc. for Jefferson Cablevision Corp.; Cost, \$67,000; File No. P-C-7541.

Pennsylvania: Freeport; North Pittsburgh Telephone Co. for Clearview Antenna Television System, Inc.; Cost, \$72,850; File No. P-C-7535.

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New Programs	New Revenue Per Sub.
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Industry Stocks

Stock	Stock Exchange	This Week	Last Week	Year High	Year Low	Shares Outstanding
Ameco	AM	9	8 3/4	19 1/2	7 1/2	1,200,000
Amer. Elec. Labs	OTC	6 3/8	6 1/4	16 1/4	6 1/4	1,516,432
Amer. TV & Comm.		14 1/8	13 5/8	14 3/8	11 7/8	1,775,101
Avnet		12 7/8	12	36 1/2	12	9,909,054
Cable Info Systems	OTC	2 3/4	2 5/8	4 5/8	2 1/2	955,000
Cablecom General	AM	9	9 7/8	15	8 5/8	1,605,000
Citizens Fin. Corp.	AM	16	16	28 3/4	16	994,689
Columbia Cable	OTC	10 1/4	10 1/2	14 1/2	9	876,000
Cornelia Corp.	OTC	1 1/8	1 1/8	8 3/8	7/8	—
Cox Cable Comm.	OTC	14	14	44 3/8	13	2,550,000
Cypress Comm.	OTC	10 1/2	10 3/4	20 1/2	10	839,000
Entron	OTC	3 1/8	3 1/4	11 1/4	3 1/8	600,900
Famous Players Ltd.	C	13 1/2	13 1/8	19 1/4	13	6,948,000
General Inst.	NY	34 5/8	33 5/8	57	27 5/8	6,026,000
Gulf & Western	NY	20 7/8	20	60	20	15,120,860
H&B Am	AM	14 7/8	15	27 3/8	13 5/8	4,972,589
Kaufman & Broad Inc.		42 3/4	41 1/2	42 3/4	29 1/2	3,900,909
Lamb Comm., Inc.	OTC	4 1/4	4 1/4	10 1/4	4	2,468,284
Livingston Oil	NY	7 3/4	8	15	8	5,692,078
Maclean-Hunter	C	17 5/8	18 1/4	18 1/4	12 1/4	2,000,000
Reeves	AM	13 1/2	14 1/8	41 7/8	12 7/8	2,163,000
Scientific-Atlanta		8 5/8	6 1/2	19	6 1/2	903,442
SKL	OTC	3 3/4	4 3/8	8 1/2	3 1/2	550,000
Sterling Comm.	OTC	5 1/4	5 1/2	13 5/8	5 1/2	—
TeleMation Inc.	OTC	24 3/4	24	25 1/4	14 1/2	1,086,735
TelePrompTer	AM	59 3/4	59 1/4	78 1/2	42 1/2	1,006,000
TeleVision Comm.	OTC	11 1/4	11	21	10 3/4	2,645,046
Vikoa	AM	24 1/4	24 3/4	39 1/4	12 5/8	1,719,345

These are Wednesday closing prices supplied by Dempsey-Tegeler. AM = American Exchange; NY = New York Exchange; OTC = Over the Counter; C = Canadian Exchange.

Digest of Earnings

AMECO INC.

Year June 30:	1969
Share loss	\$.86
Sales	6,006,375
Net loss	1,031,357

ANIXTER BROS. INC.

Year July 31:	1969	1968
Share earns	\$1.00	\$.94
Sales	70,799,490	51,949,877
Net income	2,833,413	2,407,762
Avg shares	2,835,376	2,571,712

Earnings include acquisition of Pruzan Inc., and Pruzan of Calif. Inc.

H & B AMERICAN CO.

Year July 31:	1969	1968
Share earns	\$.29	\$.19
Revenue	14,192,544	12,651,370
Income	1,449,345	902,010
Spec credit	—	738,613
Net income	1,449,345	1,640,623

RCA CORP.

Quar Sept. 30:	1969	1968
Share earns	\$.61	\$.59
Prd. serv	803,800,000	815,900,000
Net income	39,700,000	38,600,000
9 month share	1.63	1.56
Prd. serv	2,347,800,000	2,307,400,000
Net income	106,500,000	102,400,000



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Va-Co-Hy Business Forms, Inc.

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"Best Ever" Convention For Michigan Association

The Michigan CATV Association's annual convention has been characterized by past-president Richard Bur as the "best ever" because of the addition of many new members—even CATVers who share part-time interest as broadcasters.

The meeting was opened last week by Richard Gorman, city manager of Petoskey, Michigan, who with other notable speakers such as Don Witherage of NCTA and Bur, provided an interesting convention context along with technical sessions and the appointment of several committees.

The association elected new officers for the next term and Bur stepped down to become a director. New officers are: president, Pat Bresnan, American Cablevision Co. of Ironwood; vice president, Harold Moore, National Cable Co., East Lansing; treasurer, Bernard Mainville, American Cablevision Co., Iron Mountain; and secretary, Greg Klein, Cablevision Inc. Lexington.

General Electric Co. gave a demonstration of a closed circuit color broadcast. Other companies represented were Vicoa, Inc., Kaiser-CATV, Jerrold Electronics Corp., and Ameco, Inc.

NET Program Angers Translator Organization

A translator organization, irate over what it considered a slight to translators to the benefit of CATV on an educational television program concerning communications, has been told by the FCC that the TV show's balance was not unreasonable.

Judge Nat Allen, president of the National TV Translator Association, complained about the national educational television program, "Tomorrow's Television: Get What You Want or Like What You Get." The association thought that the idea of a national television system supplemented by over-the-air translator service versus the concept of cable was unjustifiably weighted in favor of CATV. NET argued in response, however, that not every single facet of communications was purported to be considered in the show, and that it allowed spokesmen of all

different viewpoints access to the program.

William B. Ray, chief of FCC's Complaints and Compliance Division, wrote to Allen that NET appeared to handle its fairness requirements in a suitable fashion and "accordingly no further Commission action is warranted at this time."

FCC Grants Signals To Washington System

H & B Communications Corp. last week won FCC permission to import the signals of KTVW-TV in Tacoma, Wash., on its CATV system in Walla Walla County, Wash., but the Commission held in abeyance H & B's request for permission to carry the distant signals of KVOS-TV in Bellingham, Wash.

The requests were both opposed by KXLY-TV in Spokane and its translator station, KL4AA in Walla Walla. They maintained that the importations would fractionalize the market both for the translator service and for KXLY-TV's planned satellite in Kennewick, Wash.

In the case of KTVW-TV, however, the Commission said that even if leapfrogging of independent television station KPTV in Portland, Ore., were involved, the fact that the station to be carried is in the CATV system's home state would justify it.

Court Hearing Set For Appeal On FCC Decision

The Appeals Court in Cincinnati set today, Monday, for hearing of the case involving the importation of distant signals by Telerama Inc.'s CATV system in Euclid, Ohio.

The U.S. Court of Appeals for the Sixth Circuit set the hearing for appeals of the FCC decision by Storer Broadcasting Co. and WUAB Inc. The Commission ruled last May that Telerama could carry the same distant signals in Euclid as it carried on three other CATV systems it owns in Ohio, as long as it carried those distant signals prior to February 16, 1966—when the FCC first adopted CATV rules grandfathering distant signal service.

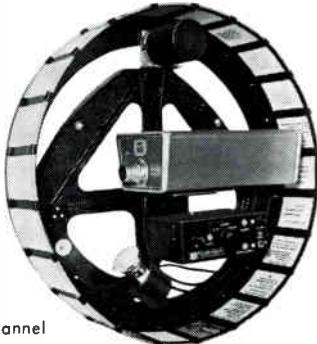
STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of October 23, 1962; Section 4369, Title 39, United States Code)

1. Date of filing: October 1, 1969.
 2. Title of publication: CATV.
 3. Frequency of issue: Weekly.
 4. Location of known office of publication (street, city, county, state, zip code): 1900 W. Yale, Englewood, Colorado 80110.
 5. Location of the headquarters or general business offices of the publishers (not printers): Same as above.
 6. Names and addresses of publisher, editor, and managing editor:
Publisher (name and address) Communications Publishing Corp., 1900 W. Yale, Englewood, Colorado 80110.
Editor (name and address) Stanley M. Searle, 1900 W. Yale, Englewood, Colorado 80110.
Managing Editor (name and address) Robert A. Searle, 1900 W. Yale, Englewood, Colorado 80110.
 7. Owner (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given.)
Communications Publishing Corporation, 1900 W. Yale, Englewood, Colorado 80110.
Robert Searle, 1900 W. Yale, Englewood, Colorado 80110.
Stanley M. Searle, 1900 W. Yale, Englewood, Colorado 80110.
Patrick T. Pogue, 1900 W. Yale, Englewood, Colorado 80110.
R. W. Wilson, 1900 W. Yale, Englewood, Colorado 80110.
 8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities (if there are none, so state): None.
 9. For completion by nonprofit organizations authorized to mail at special rates (Section 132.122, Postal Manual): Not applicable.
 10. Extent and nature of circulation.
 - A. Total number of copies printed (net press run): (Average number of copies each issue during preceding 12 months): 1,838 (Actual number of copies of single issue published nearest to filing date): 1,700
 - B. Paid circulation:
 1. Sales through dealers and carriers, street vendors and counter sales: None.
 2. Mail subscriptions: (Average number of copies each issue during preceding 12 months): 1,298. (Actual number of copies of single issue published nearest to filing date): 1,301.
 - C. Total paid circulation: (Average number of copies each issue during preceding 12 months): 1,298. (Actual number of copies of single issue published nearest to filing date): 1,301.
 - D. Free distribution (including samples) by mail, carrier or other means: (Average number of copies each issue during preceding 12 months): 355. (Actual number of copies of single issue published nearest to filing date): 308.
 - E. Total distribution (sum of C and D): (Average number of copies each issue during preceding 12 months): 1,653. (Actual number of copies of single issue published nearest to filing date): 1,609.
 - F. Office use, left-over, unaccounted, spoiled after printing: (Average number of copies each issue during preceding 12 months): 148. (Actual number of copies of single issue published nearest to filing date): 91.
 - G. Total (sum of E & F—should equal net press run shown in A): (Average number of copies each issue during preceding 12 months): 1,838. (Actual number of copies of single issue published nearest to filing date): 1,700.
- I certify that the statements made by me above are correct and complete.
(Signature of editor, publisher, business manager, or owner) B. S. Marsh, Jr.

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A PORTA-STUDIO™ equipped with a MULTICASTER™ Video Control Center accepts up to six cameras, video tape recorders or other video sources, and permits synchronous switching. MULTICASTER™ can also provide a common EIA sync generator, three outputs at full EIA/FCC broadcast standards, intercom and tally light switching, and master pedestal and gain controls. A TSE-100A Screen Splitter gives you split screen and corner inserts and the TMV-529 Waveform Sampler lets you set-up your video sources without expensive waveform monitors.



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NARUC Convention

(Continued from page 7)

houses and pay-TV, which is over-the-air and not by cable.

He also pointed out that CATV is not a necessity. "Systems don't project 90% hook-ups in communities, they project 50%—this disputes the necessity argument," he said.

NARUC has been motivated by two primary consideration, said Lovett, growth and expansion, and the concern that CATV will perform non-traditional services such as computer data banks, teaching machines, facsimile newspaper reproduction, electronic banking, and pushbutton supermarket shopping. He termed this dualistic expansion, and said that NARUC has no legitimate concern in the growth of "traditional" CATV operations.

Lovett said, "Speaking for NCTA, we would be happy to work with NARUC and with the FCC jointly to try to establish a meaningful regulatory pattern for CATV." He asked for objective analysis concerning the regulatory mix and expressed confidence that it could be worked out to the greatest public benefit.

Henry Geller, whose statements concerning CATV regulation contained no surprises for cablemen, defended the position of the FCC in its acquisition of power over CATV but said that there are certain areas in which the FCC has no jurisdiction. Particularly in regard to franchising, Geller said that, "someone must take care of this area." He also said that the FCC would pre-empt power to regulate technical standards (as it does with the broadcast industry) in the future.

Pennsylvania Stations Are Twice FCC Blessed

Wire Tele-View Corp. and Pottsville Trans-Video have both suffered at the hands of stations WNEP-TV in Pottsville, Pa. and WBRE-TV in Wilkes-Barre.

Wire Tele-View was given 30 days to comply with the carriage and program exclusivity requirements of Commission rules on its 12-channel systems in Pottsville, Palo Alto and Port Carbon, Pa. The two stations had requested carriage and program exclusivity protection.

Both stations put a predicted grade A contour over the CATV system area.

Pottsville Trans-Video, which operates 12-channel CATV systems in Pottsville, Minersville, and Schuylkill Haven, Pa. was given FCC notice to afford carriage and non-duplication protection to the two stations, plus granting exclusivity request of WGAL-TV in Lancaster, Pa., and granting the unopposed petition by WLYH-TV in Lancaster. The stations asked that the cable system be ordered to show cause why it shouldn't be directed to cease operating in violation of carriage and non-duplication requirements.

The Trans-Video systems have been carrying WNEP-TV, WBRE-TV and WGAL-TV, but not affording them program protection.

Hearing & Election Holds N.Y. Association Attention

Preoccupation with the problem at hand, state regulation, led the New York State Cable Television Association in two directions at the group's annual convention held in Albany last week. The Standing Committee on Corporations, Authorities and Commissions of the State Assembly held hearings on CATV (see separate story), and although not a serious and immediate threat, this subject took up most of the time of the convention.

The matter, however, didn't keep members from electing officers for the new term. After hearing Congressman Jim Hastings (R.-N.Y.) and Dr. Bernard Cooper, of the N.Y. State Board of Education, association members went about the business of choosing new leaders.

Results of the election were: president, Beardsley Van Etten, Dimensions Cable TV, Plattsburg; vice president, Richard Sabino, Hightower Telesystems, Newburg; secretary, Clark Cook, Vestal-Video, Vestal; treasurer, John Pryor, Hornwell TV Cable, Hornwell; and new directors are James Domato, Lackawanna Cablevision, Lackawanna; and Joel Fleming of New Channels Corp., Syracuse, who is immediate past president. Mathew Lysek, Craftsman Electronics, was elected associate director—a non voting member.

Cox Dissent

(Continued from page 10)

cable entrepreneurs, was influential in persuading us to set them for hearing, and was made a party to the proceedings because of its status as a permittee," said Cox.

"If the permit is withdrawn it will lose that standing and we will lose effective local advocacy for maintaining a proper balance between over-the-air and cable television in the Longview-Marshall area." Cox said, "Furthermore, while radio Longview's permit bars importation of distant signals for a specified time, if it loses its permit then the cable proponents can presumably seek a waiver of the FCC rules because the communities in question are more than 35 miles from Shreveport, Texarkana and Tyler where commercial stations are in operation. He said that, if this happens, and CATV systems carrying 10 or 12 signals are built, then the chances that anyone will be interested in providing a free UHF television service to this area are remote.

"In fact," concluded Cox, "I think it is clear that—above and beyond difficulties with equipment suppliers, program salesmen, and network station relations personnel—the overriding problem here may well be uncertainty about what the Commission will do about CATV in areas such as this. Certainly we have taken long enough in developing firm policy in this difficult field, and I do not blame people for being wary about committing large sums until they have some clear indication that our cable policies will be consistent with development of viable broadcast operations."

FCC Grants Protection For Signal Duplication

The FCC last week turned down a request by Highlands Cable Television Corp.—which operates CATV systems in Avon Park and Sebring, Fla.—for waiver of the program exclusivity rules so that it would not have to protect the programs of WTWT television in Tampa.

WTWT opposed the request, naturally, arguing that its signals should be protected from duplication by WINK-TV in Fort Myers, Fla.

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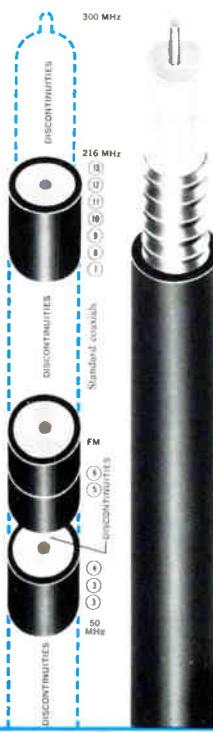
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profile of a leader



MICHAEL BOLAND ARNOLD

Born in Olean, New York, November 9, 1939. He attended St. Bonaventure University majoring in journalism. Directly out of school, he started work with Radio WHLD in Olean, N.Y. in 1959, and served as a newsman, special events writer and salesman; then in 1964 he took over management of the Olean cable television system prior to the system's acquisition by TeleVision Communications Corp. Past vice president of the New York State Cable Television Association, he is vice president of Tele-Vigil Systems, a division of TVC. He and his wife, Diann, have five children.

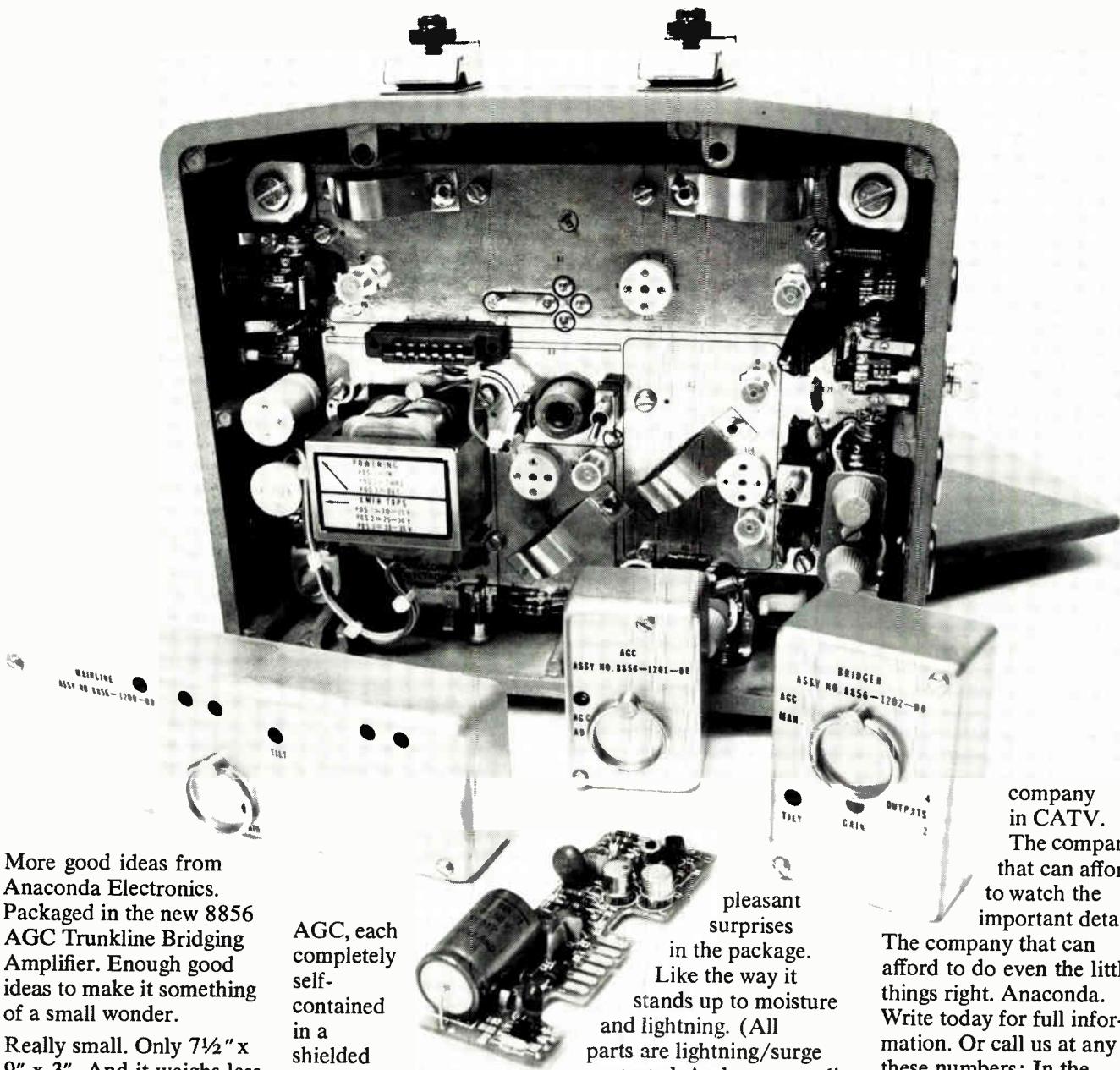
Michael Boland Arnold—not yet thirty, one of the youngest leaders in the cable television industry—says “Where’s my crystal ball?” when he’s asked about the future of CATV. But he says it with a laugh. The young Mr. Arnold doesn’t really need a crystal ball—his own imagination and insight have already provided him with the answer that CATV’s future is as bright as the men in it. And bright enough to command his total dedication.

Communications has always been Mike Arnold’s “thing.” He majored in journalism at St. Bonaventure’s in Allegany, then went to work in radio broadcasting in his hometown of Olean in 1959. Mass media is his natural habitat. Personable, outgoing, confident, he was equally at home as a newsman, writer or time salesman for WHLD. It was this ease with people and natural public relations bent that interested the Olean cable television people in Mike. In 1964 they persuaded him to take over management of the local system.

Later the system was sold to TeleVision Communications, Inc., the New York City-based MSO headed by Al Stern. Allband Cablevision in Olean became a part of Tele-Vigil Systems, a TVC division, and Mike became vice president of Tele-Vigil as well as local manager for the Allegany-Olean system. Mike and the system have been a good match. Besides the challenge of providing approximately 6,000 subscribers with ten channels of video—three of them via microwave—he has had the opportunity to become involved in some innovative CATV experiences. One case in point is the now-famous surveillance system which Allband installed for the city of Olean. Cameras positioned at strategic locations in the downtown area monitor the most vulnerable spots in the city, thus saving substantially on police costs. The surveillance system celebrated its first anniversary just last week—and Mike was happy to report a successful first year.

Security systems for private industry and hospitals as well as for government are a primary concern of his. Mike, who has been active for years in the Junior Chamber of Commerce and various projects in his community, is enthusiastic about the real contributions which a CATV system can make to the area it serves. But he is also a level-headed businessman and he believes that development of this type of service, along with emergency alert systems and strong local origination, is essential to the growth of CATV. Many talk about CATV’s “potential” in community service; men such as Mike Arnold make it happen . . . profitably.

small wonder



More good ideas from Anaconda Electronics. Packaged in the new 8856 AGC Trunkline Bridging Amplifier. Enough good ideas to make it something of a small wonder.

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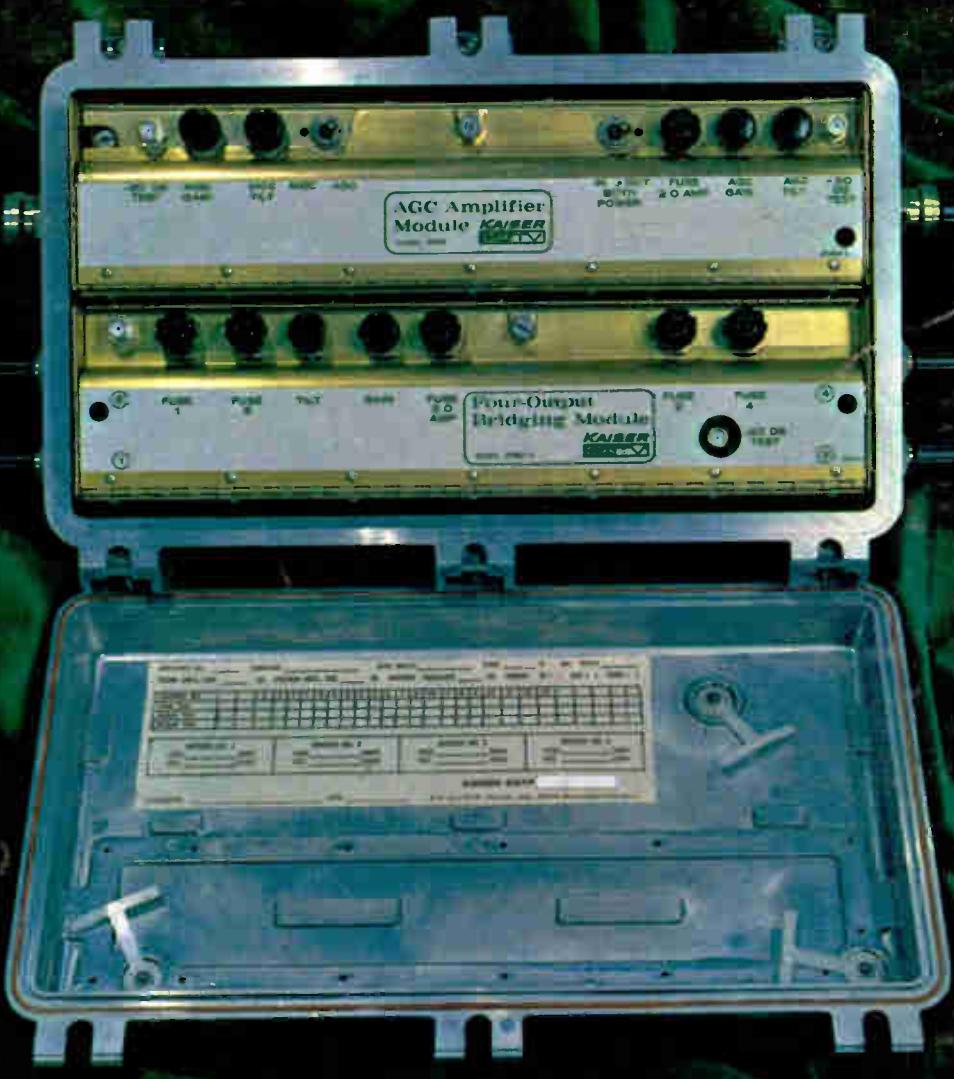
There are more good little ideas in the 8856 than we could possibly describe here. It literally is a small wonder. Small wonder it comes from the big

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