

Copyright Sessions Still On .....p7  
FCC Gives Nod to MCI .....p7  
Maryland Pushes for PUC .....p8  
Rocky Mountain Group Meets ....p11

August 25, 1969

# CATV

**Authoritative Newsweekly of Cable Television**



## 1969 CONVENTION PHOTO ALBUM



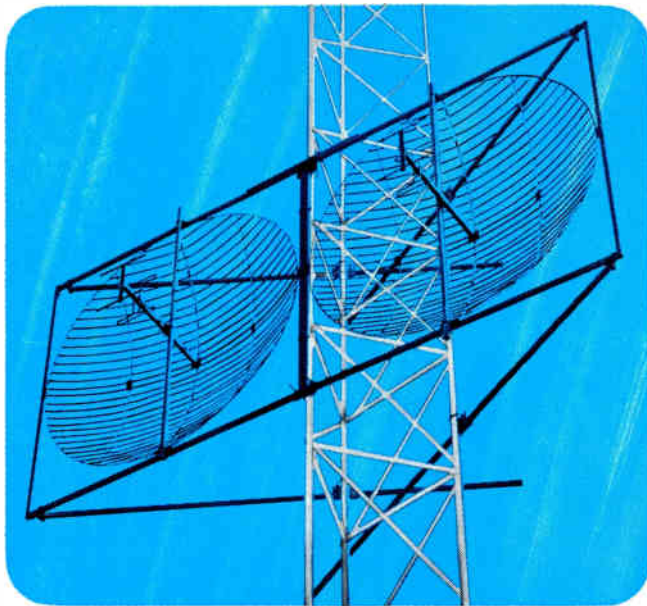
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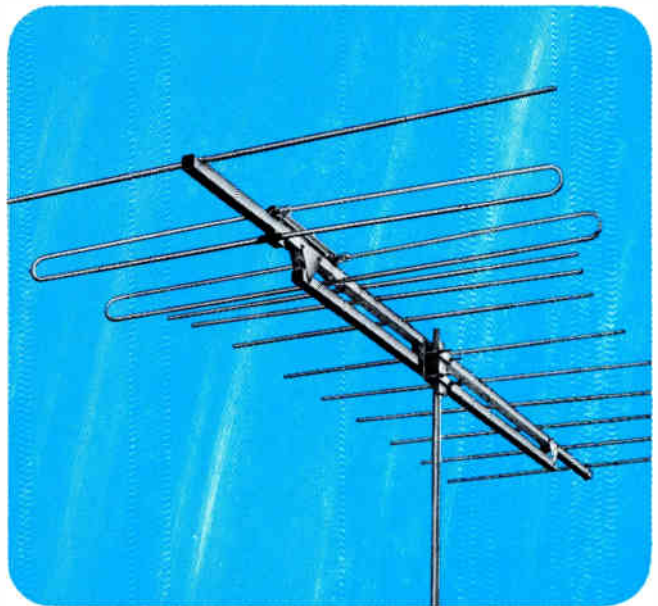
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# Conspectus

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## OUR COVER

*Coordination and planning are the keys to the successful installation of Foster City (Calif.) Cablevision's system. Members of the Underground Construction Co. crew shown are (left to right): John Kelly, project supervisor; John Hill, field supervisor; Tommie Munlin, technical manager; and Bob Gehring, cable splicer. Foster City's system is featured in a full-length article in the September issue of TV Communications.*

# CATV

**Authoritative Newsweekly of Cable Television**

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Charles E. Bell — Assistant Editor  
Mark Day — Editorial Assistant  
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Pat Terry — Production

R. Wayne Wilson — Advertising Director  
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Buford S. Marsh — Business Manager  
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Washington Bureau: (202) 393-4488

page 7

Top market system gets FCC permission to negotiate copyright; CSI deferred until legislation is worked out; NCTA-NAB continue negotiations.

page 7

Rookie, MCI, gets into microwave game. A point is scored for CATV and others as MCI takes FCC decision despite the pros' cries of "illegal procedure."

page 8

Maryland Legislative Council gets CATV "reaction" to PUC proposal. Maryland-Delaware Cable Association's Cliff Fields airs views on plan.

page 15

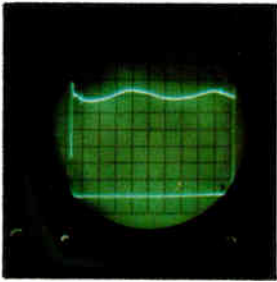
34-page souvenir photo album features color shots of NCTA San Francisco Convention.

# Contents

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Viewpoint .....	5	Classifieds .....	13
News .....	7	Franchises .....	14
Moving Up .....	12	Photo Album .....	15

CATV, August 25, 1969, Vol. 3 No. 34. Published every Monday by CATV Publications, Inc., 207 N.E. 38 St., Oklahoma City, Okla. 73105, (405) JA8-3523, 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 Oklahoma City, Okla. 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.



### RESPONSE

Here's the response of the PII-LE Line Extender as it comes from the factory, checked with 14 dB of cable and 7 dB flat loss. Note that it is well within  $\pm 0.5$  dB between the 50 and 260 MHz markers.



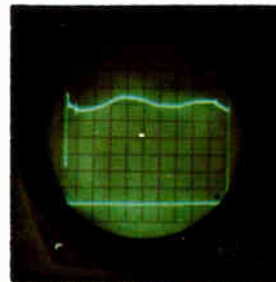
### CROSS-MOD

Cross-modulation distortion is specified at  $-72$  dB for a  $+38$  dBmV output. The readout shows cross-mod down more than 73 dB (60 dB range, 13+ on the meter).



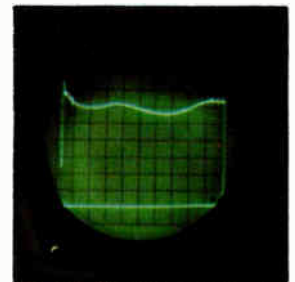
### NOISE FIGURE

This particular PII-LE beats the noise figure specification by almost half a dB. Specs call for 10 dB at Channel 13. This one checks out at 9.6 dB.



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In case you missed the demonstration, graphic evidence of the performance of the PII-LE Line Extender is reproduced above.

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*Robert A. Searle*  
*Editor*

## Viewpoint

### Where Is the Real Question of Good Faith?

"I sincerely hope," wrote FCC Chairman Rosel Hyde last week, "that petitioners (Top Vision Cable) will make good faith, reasonable efforts directed to the real thrust of our retransmission proposal." His skeptical question about good faith came in his dissent to a Commission vote last week which approved the first distant signal importation under the new cable television rules.

Cablemen have had more than one occasion to question Hyde's own good faith. Copyright is still the name of the game by which the FCC, under Hyde, intends to contain CATV. It's a game the Commission has learned to play very well indeed, and one which it apparently has every intention of continuing to play. And why not? When the new rules were proposed for CATV last December 13, Chairman Hyde was extremely reluctant to admit the copyright implications of the rules. His reluctance was understandable since the U.S. Supreme Court had clearly stated only a few months before that CATV has *no* copyright liability. But Hyde's reluctance fooled no one. The FCC was governing by copyright despite the Court and Congress. And as the months passed and no bolt of lightning struck at 1919 M Street, Hyde became bolder and bolder in admitting the relationship between copyright and the "CATV freeze."

True, he continued to protest his "hope" that some solution could be found to allow for the growth of CATV. But disenchanted cablemen wondered at the sincerity of that "hope." When, for example, it seemed that the UHF's might be eager to grant retransmission consent to get wider audiences for their low-powered stations, the Commission "clarified" the rule to read "program-by-program consent."

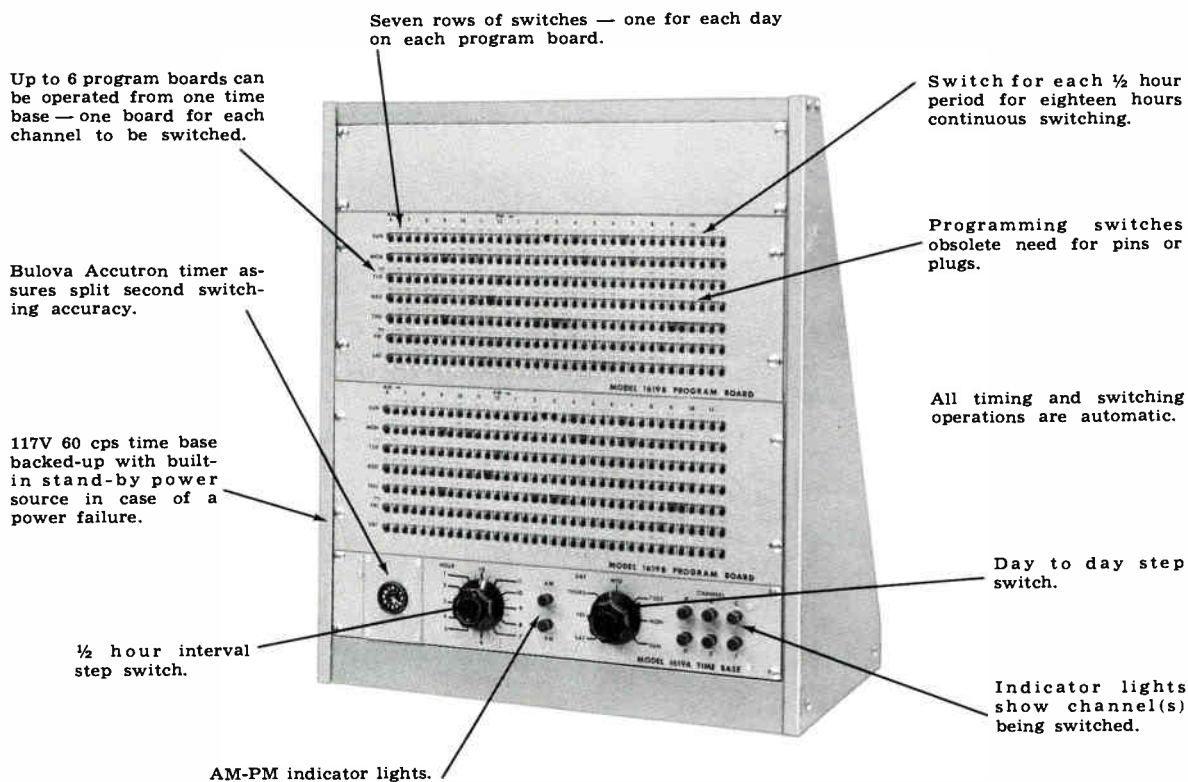
Now—a full eight months after the rules were announced—a Kentucky operator has obtained such consent. It's a far cry from what a system operator would like to have . . . he was able to get permission only to carry the local programs produced by the stations themselves since the stations do not own the copyrights on the other programs. But even this Hyde has objected to. Although outvoted by the other Commissioners, Hyde and Cox held out against the cableman on the grounds that such a sparse list of programs would not be really meaningful. This scarcely sounds like a government official eager to see a new communications medium succeed.

There is occasion to wonder about the good faith of the Commission, too, in the turn-down of the CSI proposal for a copyright clearing house for CATV operators wishing to pay for and import distant signals. The adjective "imaginative" as used by Hyde and six other Commissioners sounds more than a little patronizing—and the rationale that CSI ought to await legislative developments is more than a little difficult to swallow in view of the stalemate in Senate proceedings.

If all goes according to plan, the FCC will have a new Chairman this year, and none too soon for the cable television industry. Until then, it seems, the credibility gap just keeps on widening.

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# Top-Market System Wins Grudging Copyright Okay; Negotiations Continue

Top Vision, Kentucky System, wins time to negotiate copyright with holders while CSI plan labeled "imaginative" but postponed until Senate acts on copyright. NCTA-NAB negotiations continue.

The copyright battleground was active in Washington last week as the FCC released a pair of intriguing CATV-copyright decisions and NCTA continued meetings with the National Association of Broadcasters in an attempt to work out a compromise agreement on the subject.

In Owensboro, Ky., the FCC decided to allow Top Vision Cable Co. a very limited importation plan, but the Commission also released its ruling that the "CSI Plan" will have to wait until December 1, for a final decision.

Owensboro is within 35 miles of Evansville, Ind., and therefore, a Top-100 market CATV system. As a result, under the Commission's proposed and interim rules it has to get program-by-program retransmission consent from distant TV stations.

Top Vision told the FCC that it had failed to gain cooperation from any distant outlets except WLKY-TV and WHAS-TV in Louisville, Ky., which gave permission for carriage of local shows but simply referred the system to the multitude of copyright holders for other programs.

The Commission gave Top Vision the go-ahead to carry the local programs with the understanding that the system

would continue to try to get consent from the program suppliers, and that it would report every 60 days.

FCC Chairman Rosel Hyde, joined by Commissioner Kenneth Cox, dissented on the ground that no meaningful information could be gathered with such a sparse list of programs. "The way to obtain a meaningful test," Hyde said, "is to tell petitioners what is called for—a showing of consent to carry some significant number of programs as a result of arrangements with syndicators and the originating stations—and to encourage petitioners by stating that upon such a showing, we will promptly authorize the test."

Although Chairman Hyde was on the losing side in the Top Vision ruling, he carried the day in the decision to postpone final action on the "CSI Plan." CSI founders Harold Farrow and Bill Hargan, and Washington attorney Arthur Stambler received a letter saying that their idea is imaginative but shouldn't be considered for solving the copyright impasse until the Senate has acted on copyright revision legislation.

The CSI plan calls for a central clearing house for CATV copyright payments, and the initial test was to be conducted by Multi-View Systems of Wood-

land Inc. in Woodland, Calif., which wanted to import distant signals from Chico, Oakland and San Francisco. The Commission said: "We believe that the proposal represents an imaginative effort to meet the Commission's concerns with respect to the interrelationship between the operation of CATV systems and television broadcast stations.

"While the proposal clearly merits further consideration, under all of the circumstances and particularly the current status of copyright consideration, action on the merits would be premature at this time." Action on the proposal was deferred until Dec. 1.

Commissioner Robert T. Bartley, joined by Nicholas Johnson, dissented, arguing that the "premature" argument isn't sufficient. "If copyright were the basic concern here," Bartley said, "I suggest that the petitioner's proposed test of its plan in Woodland, California, would be helpful to a resolution of the matter by providing the Commission, Congress, and interested parties with valuable data from practical experience in the marketplace. While I have questions about the workability of certain aspects of the plan, I keep an open mind and believe that the plan should be authorized now so that it can be tested in the realities of the marketplace itself and provide meaningful, probative information."

NCTA, meanwhile, continued its meetings with NAB looking toward a compromise. NCTA chairman, M. William Adler, met with the NAB negotiating subcommittee last week and agreed to meet again Sept. 4. Representing NCTA with Adler were: Alfred R. Stern of TeleVision Communications Corp., Robert Beisswenger of Jerrold Corp., Irving Kahn of TelePrompTer and Ralph Demgen of Willmar Video Inc.

## MCI Not Warming Bench: Gets In Microwave Game

Microwave Communications Inc. has won FCC approval of its plan to set up a point-to-point microwave at Chicago, St. Louis, and nine points in-between. The approval, sought by MCI president Jack Goeken for some time represents a

## Pacific Northwest Loses Cableman

Funeral services were held last Friday in Seattle, Washington for J. Elroy McCaw, 57, a pioneer in the CATV and broadcast industries. He died of a heart attack Saturday, August 9 in his home in the highlands north of the city.

McCaw was one of the most colorful figures in the early CATV days in the Pacific Northwest. He battled for some of the first franchises to be handed out in his home state of Washington and struggled with the early trial-and-error technology of

cable television. One of his first systems was Twin City Cablevision in Centralia-Chehalis, Washington. He was also owner of Colorcable, Inc. in Renton as well as holder of numerous broadcast interests. He served as chairman of the board of Manhattan Cablevision, Inc. and Gotham City Broadcast Corp., both of New York City.

McCaw was born in Colfax, Washington, in 1912 and was a graduate of Washington State University. He leaves a wife and four sons.

## MEETING CALENDAR

### AAUGUST

**26-27—School for Pacific North West system operators** covering CATV engineering practices and principles; conducted by Cascade Electronics Ltd. Washington Plaza, Seattle.

### SEPTEMBER

**15-16—Pacific Northwest CATV Association fall meeting.** University Tower Hotel, Seattle, Wash.

**22-24—"Workshop for Antenna Site Engineering."** National Cable Television Center, J. Orvis Keller Bldg., Pennsylvania State University, University Park, Pa.

**23-25—Pennsylvania Community Antenna Television Association annual fall meeting.** The David Mead, Meadville, Pa. Plans are being formulated and will be announced later.

**26-27—Tennessee Cable Television Association annual meeting.** Howard Johnson's Motor Inn, Gatlinburg, Tenn.

### OCTOBER

**13-15—North Central CATV Association fall meeting.** Playboy Club, Lake Geneva, Wisc.

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

**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.

### JANUARY

**8-10—Rocky Mountain Cable Television Association annual convention.** Safari Motel, Phoenix, Ariz.

significant victory for independent common carriers against the powerful forces of entrenched AT&T.

The plan, bitterly opposed by established carriers such as American Telephone & Telegraph and Western Union, may only be a first step, as MCI hopes that eventually the independent offering of channels to various kinds of customers, including CATV, will be possible nationwide.

The Commission, by a squeaky 4-3 vote, found that "It would be inconsistent with the public interest to deny MIC's applications and thus deprive the applicant of an opportunity to demonstrate that its proposed microwave facilities will bring to its subscribers the substantial benefits which it predicts and which we have found to be supported by the evidence in this proceeding."

The limited and specialized service offered by MCI, the FCC majority said, "would enable subscribers to obtain a type of service not presently available."

The Commission action affirmed an initial decision first issued by hearing examiner Herbert Sharfman almost two years ago.

## PUC Threat Stirs Hot Debate At Hearing

The complexities and confusion surrounding state attempts to impose Public Utility Company regulation on the CATV industry surfaced last week in Annapolis, Md., as the Economic Affairs Committee of the Maryland Legislative Council grappled with proposed PUC legislation.

After the issues were hotly debated in an initial hearing, committee chairman James A. Pine, a Democrat from Baltimore, said another open hearing would be held to clear up the questions raised.

### Proponents of Bill

PUC legislation is sponsored by delegate Walter S. Orlinsky, another Baltimore Democrat, who wants CATV to be regulated by the Public Service Commission of the state, which would allot franchises and set rates.

The bill was backed by Thomas F. Conlon Jr., Mayor of the Town of Cum-

berland, a proponent of similar legislation when he served in the assembly in 1961. Conlon said that he wants state regulation because "I see so many other states regulating it and I see the federal government regulating it, which may not be to the interest of the public."

### Fields Disagrees

Clifford A. Fields, president of the Maryland-Delaware Cable Television Association, disagreed. He pointed out that only three states have enacted PUC regulation, while more than thirty states have rejected that approach. Three other witnesses for the legislation had admitted ignorance of how many CATV firms exist in Maryland, what their rates are and whether there are complaints from the public about their service. Fields also cleared up those dark spots by pointing out that the state has 18 cable systems with rates ranging from \$4-5.45 per month.

Baltimore Democratic delegate William T. Evans snapped to proponents of the legislation: "You want to regulate something you don't know anything about."

Sen. Frederick C. Malkus Jr., was even more pointed. "I see the hanky-panky going on here now," he said. "You want to close the door now so you won't have to let anybody else in. Well, I believe in private enterprise."

## 16-Channel System Proposed For Tulsa

A \$7 million cable system has been proposed for Tulsa, Oklahoma by Tulsa Cable Television—a new firm formed by GenCoE and others and headed by GenCoE's Bill Swanson. The franchise application was filed last week with municipal officials in the top-100 city.

Swanson said Tulsa Cable Television would promise city subscribers 16 channels—including Warner Brothers-7 Arts' entire library of feature movies and syndicated programs and cartoons.

Along with the Warner Brothers' package the system plans a children's channel, 24-hour news channel, sports channel, 24-hour weather and flight information channel, a channel of syndicated shows, a non-denominational



religious channel, and several channels available to doctors, hospitals, educators, industrial and professional groups for closed circuit instructional purposes, and a channel for the New York and American Stock Exchanges.

Partners with GenCoE in the venture are: Williams Brothers Co., engineering, construction and pipeline operations; B.E. Barnes, president and owner of Leland Equipment Co.; Robert W. Berry, president of Exploration Drilling Co. and Empress Gas Corp., Ltd. of Canada; and Raymond F. Kravis, president of Raymond F. Kravis and Associates.

## FCC Refuses Delay Of Exclusivity Action

Wheeling Antenna Company of Wheeling, W. Va., was turned down last week on its request that the FCC delay action on part of a case in which the system is involved.

The Commission had ordered it to come to a hearing prepared to explain why it does not provide program exclusivity for WSTV-TV in Steubenville, Ohio. Wheeling Antenna asked for a reconsideration of the order and at the same time filed asking for a stay of the effectiveness of the hearing requirement pending the FCC decision on its request for reconsideration.

The FCC simply said that "we do not find sufficient good cause demonstrated by the cable company for delaying the orderly processes of adjudication."

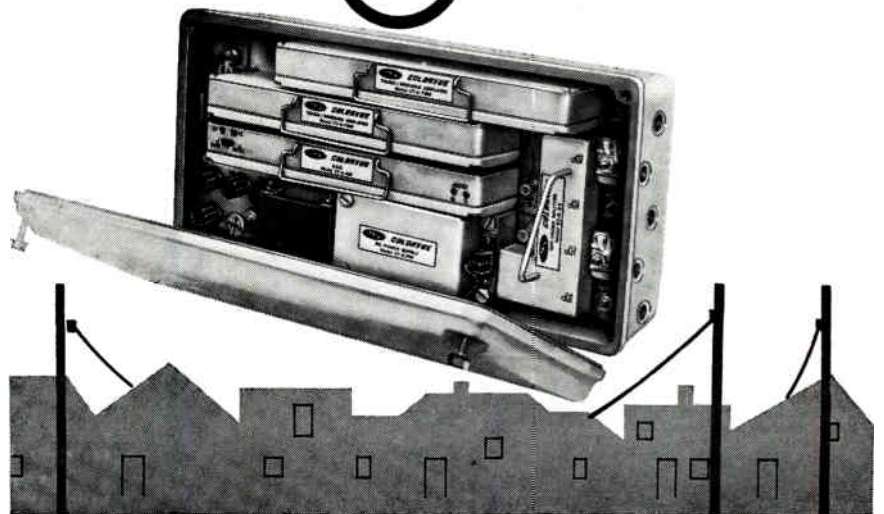
## Stanford Research Bears on Cable Future

The FCC last week announced that the final report, "Study of Land Mobile Spectrum Utilization," that was prepared by the Stanford Research Institute is on sale at the U.S. Commerce Department.

Because of the delicate policy and technical balance between land mobile use, broadcasting, and the various potentials of cable technology, the report may have important bearing on future government decisions affecting CATV. The report is in two parts, each of which costs \$3, with the official numbers 184-983 and 184-984. CATV week-

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### National Cable Television Institute

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ly subscribers can order them from the U. S. Department of Commerce, National Bureau of Standards, Clearing House for Federal Scientific and Technical Information, Springfield, Va. 22151.

## Exclusivity Order Served To Coast System

The FCC last week ruled that a pair of cable systems in Santa Barbara, Calif., have to carry the signals of KCOY-TV in Santa Maria and must afford it program exclusivity protection against the distant signals of KNBC-TV and KNXT television in Los Angeles.

The systems are under common ownership although they operate in different sections of the county. The firms are Cable TV of Santa Barbara Inc. and Cable TV of Santa Barbara County Inc.

Central to the non-duplication order is the Commission conclusion that KCOY-TV ought to put a Grade A contour over the cable system area even if it does not actually do so.

"KCOY-TV is located very close to Santa Barbara and places a predicted Grade A contour over the community," the Commission said. "The station faces serious financial difficulties because of its inability, in view of terrain conditions, to serve and obtain revenue from the population center in its service area."

The Commission said that "affording non-duplication protection would serve the public interest by enhancing the station's ability to obtain revenues and to continue its needed service to the Santa Maria area."

## Kentucky System Sold

Hopkinsville Cable TV Company, Hopkinsville, Kentucky, has been sold to Tower Communications, Inc., a subsidiary of Citizens Financial Corp.

The sale of the system owned by Charles O. and Charles F. Erickson, took place last week for an undisclosed amount. Tower owns 20 CATV systems in four eastern states including the new system with its 1,700 subscribers.

Broker in the transaction was Blackburn and Company, Inc. of Washington, D.C.

## Telco Agreement Sifted At Durango Convention

An agreement reached between cable operators and the Mountain States Telephone and Telegraph Co. was explained at the Rocky Mountain States Cable Television Association meeting at Durango, Colo. last week.

Roger E. Zylstra of the Washington, D.C. law firm Cole, Zylstra and Raywid, in a closed session reported on the telco-cable operator negotiations handled for the association by the attorneys.

The telco, which operates in Arizona, New Mexico, Colorado, Wyoming, Idaho and parts of Texas, adopted a rate hike to \$4.00 per pole effective July 1, 1969. However, the association succeeded in postponing the hike until July 1, 1973. The rate is presently \$3.00 per year and will rise \$.25 per year saving the operators \$300 to \$400 thousand.

The mid-year association meeting was opened with a welcome from Colorado Supreme Court Justice Edward Day Jr. for approximately 120 conventioners including members their families and guests.

Gary L. Christensen, NCTA Assistant General Counsel, in a closed session, relayed the progress of the copyright negotiations between NCTA and NAB.



*Mr. Christensen*

Session topics at the convention included microwave, products, services, and cablecasting techniques and analysis. Ralph L. (Bud) Weir, vice chairman of NCTA, and Congressman Edward Foreman (R-N.M.) were among the guests. Weir discussed operation of the NCTA Board and brought out the difficulty in finding a replacement for presi-

dent Frederick W. Ford whose resignation is effective the end of this year. Foreman, speaking against regulation of CATV operations, reassured the members of his support.

## FCC Draws Curtain On System Upstaging

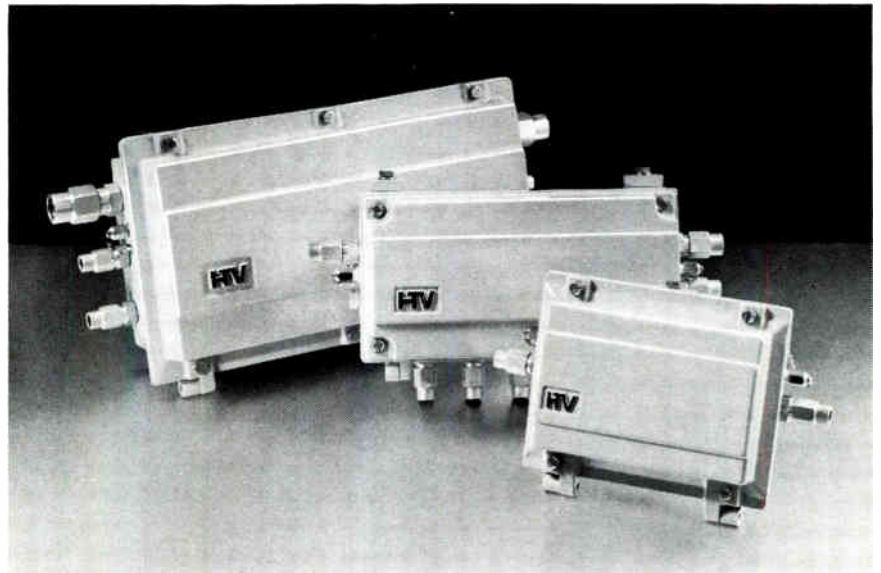
A competitive scrap between CATV systems in Mt. Carmel, Pa., is at the center of a dispute that led the FCC to set a hearing on alleged program exclusivity

violations by Kar-Mel CATV Systems Inc.

Kar-Mel, the Commission announcement said, "did not deny non-compliance with the program exclusivity requirement but argued that its competitor, Jepko Community CATV is not complying with the rules and that imposition of the exclusivity requirement on it and not on Jepko would be unfair and destructive."

A ruling on that argument, the Commission said, is unnecessary since it is also directing Jepko to comply.

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## Moving Up

Jerrold Electronics (Canada) Ltd., has announced the appointment of *Terry Blanks* as Canadian national sales manager. Blanks joined Jerrold's sales staff in 1966 and was responsible for the company's product sales in Eastern Can-

ada. In addition to implementing Jerrold's sales program in the CATV, educational TV and test equipment markets, Blanks will also be responsible for distribution sales to MATV and domestic markets.

*Sid Sussman* has been appointed sales manager of the CATV Division of Metropolitan Supply Co. Sussman has spent the past six years serving the industry, supplying replacement parts such as vacuum tubes and transistors. He is a graduate of Rutgers University



Mr. Blanks



Mr. Gunnells

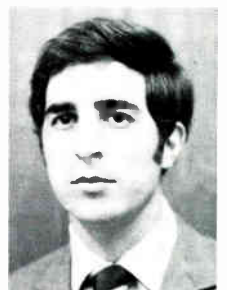
*Samuel I. Gunnells* has been named manager of TelePrompTer of Greenwood, S. C. Gunnells joined the Greenwood system in June, 1968. He was appointed chief engineer in October of that year and has served in that capacity until his present promotion. In addition to his management responsibilities, Gunnells will assist in carrying out the development program for the system.

*Vern L. Coolidge* has been chosen general manager of TelePrompTer of Florida, cable TV complex now under construction in the Palm Beach area. Coolidge has been associated with the CATV industry since 1952. From 1966 until joining TelePrompTer, he had been vice president and general manager of Comm/Scope Corporation.

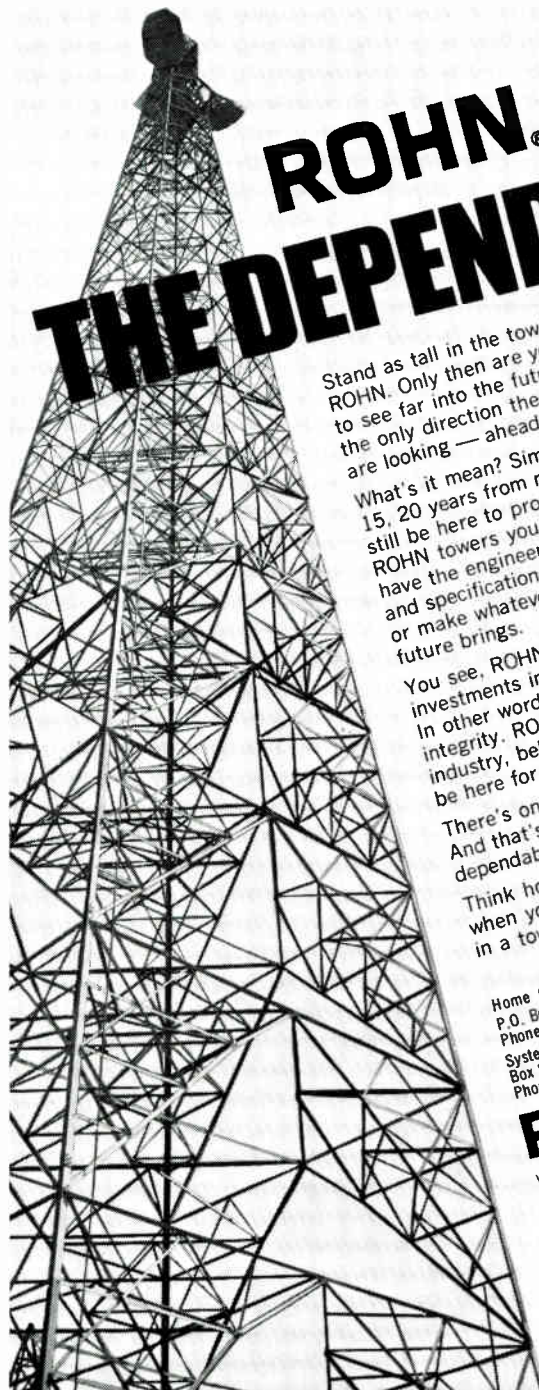
*Robert A. Searle*, vice president of Communications Publishing Corporation, has announced the appointment of *Charles E. Bell* as assistant editor of CATV. Bell, a graduate of the University of Oklahoma, will be responsible for the news coverage in *TV Communications* in addition to his editorial and production responsibilities on the weekly cable television magazine.



Mr. Coolidge



Mr. Bell



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### F61A CONNECTORS

Available For Immediate Delivery



\*Brass, silver plated with washer and nut.  
\*Spring Contact. Will accept cable up to RG11U.  
\$90 per thousand bulk packed. F.O.B. Brooklyn, N.Y. Reply to CATV Weekly, Dept. W79-5.

### TECHNICAL SALES REPRESENTATIVE

The CATV industry's finest sales team has an opening for an experienced representative to call on system operators in Florida, Georgia, Alabama and Mississippi. Excellent opportunity to represent leading full-line manufacturer of equipment and cable. Guarantee, commissions, expenses and vehicle provided. Send resume will full background information to W.G. Arthur, Director of Personnel, Ameco, Inc. P.O. Box 13741, Phoenix, Arizona 85002.

### ELECTRICAL ENGINEERING EXPANSION—WITH A FUTURE CIRCUIT DESIGNERS (Senior)

Perform detailed circuit analysis and design solid-state circuits for broad band equipment in the VHF and UHF region. Experience required.

### CATV FIELD ENGINEERS

Challenging opportunities to be the technical representative of one of the leading CATV manufacturers. Position requires individuals with technical communications background and ability to "get the job done" with minimum supervision. Extensive travel required.

Positions immediately available with one of the fastest growing divisions of the famous Kaiser affiliated firms—KAISER CATV, Division of Kaiser Aerospace & Electronics Corporation.

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Atten: Personnel Manager  
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## Specialized, economical cablecasting begins here!

Brighten your profit-picture. Take any one of the three pieces of cablecasting equipment shown, add a *little* imagination, and you'll have a lot of **specialized** cablecasting capabilities. And it all begins at the R. H. Tyler Company. In addition to our own quality line of origination equipment, we're the distributor for many other lines of cablecasting gear. And the people at Tyler are *cablecasting pros*. . . they can help you build local origination programming that will be a sure winner with your subscribers. Whatever your choice, remember that specialized, economical cablecasting begins at Tyler.

Call us for full details! Area code 806 / 447-5841. . . .  
1405 15th Street, Wellington, Texas.

The Originator of Time/Weather Equipment for Cable Television.

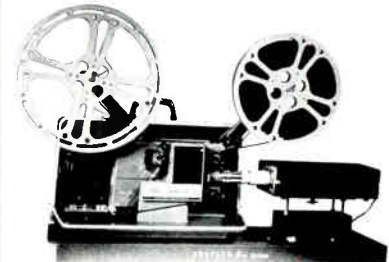
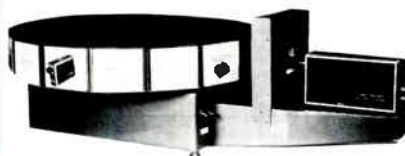


### CONCORD VTR-600

Capture up to 40 minutes of video programming re-play later on the versatile, Concord VTR-600. This portable, easy to operate unit will give you unlimited usage in delayed programming of local events and public service features.

Economy and variety in one model of local origination equipment . . . that best describes the all-new Tyler Service Scanner. With this 16-position revolving drum public service and promotion programming is easy to accomplish. Subscribers enjoy it, too. May be easily phased into Weather-Scan or Weather-Scan II operation.

### SERVICE SCANNER



### GRAFLEX FILM CHAIN

The Graflex 16mm projector with the AFCO transistorized video TV camera is the practical approach to film origination for CATV systems. Feature films build subscribers. Maintain a varied, high interest format with this high performance product!

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FORTY YEARS EXPERIENCE IN  
UNDERGROUND CONDUIT, CABLE  
AND STRUCTURE INSTALLATION

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## Franchise Activity

**CALIFORNIA:** Carson: The city council has awarded a 20-year franchise to Carson Cable Television Co. The system won with a \$56,000 advance payment and rates of \$4.75. . . Clear Lake: Silver King and Lakeshore Cable TV Companies have submitted franchise bids. . . Corona: Cablecom-General, Inc. has submitted a franchise bid to the city council.

**FLORIDA:** Belle Glade: The city commission has taken under advisement the recommendation of a consulting firm favoring either TelePrompTer, Inc. or Belle Glade Community Television Co. for a franchise. Others submitting bids were Seminole Broadcasting and Micopany Companies. . . DeLand: The city council has begun advertising for CATV franchise bids. The franchise winner will be required to post a \$50,000 performance bond. . . Hollywood: International Telemeter Corp. which was defeated in a franchise election has re-applied for a CATV franchise. . . Lake Placid: The city council has granted a franchise to Micanopy Group Companies. . . St. Lucie: The city council has granted a franchise to Americable Services, Inc. . . St. Petersburg: The city council is now accepting franchise bids. . . Volusia County: The county commission has extended the non-exclusive franchise of Halifax Cable TV to serve county areas south of Port Orange.

**ILLINOIS:** Princeton: The city council has awarded a franchise to GenCoE. The firm plans weather scan, local origination and FM radio. . . Forrest: Cable Television Co. of Illinois has been granted a franchise to bring cable underground from the CATV tower at Fairbury.

**MINNESOTA:** Aitkin: The village council has received a franchise bid from Continental Television Co. . . Tracy: The city council granted a non-exclusive

franchise to Mid Continent-TV of Florida.

**NEW HAMPSHIRE:** Sommersworth: The city council has granted a franchise to American Telecable, Inc.

**NEW JERSEY:** Mansfield: The township committee has awarded a non-exclusive franchise to CATV Service Co. of Hackettstown.

**NEW YORK:** Lake George: The board of trustees has awarded a 10-year non-exclusive franchise to Champlain Cable-Vision.

**NEW MEXICO:** Santa Fe: Capital City Cablevision has received the second franchise granted by the city council.

**OHIO:** Columbus: A second cable firm, CATV of Ohio, a subsidiary of Commonwealth United Corp. has been granted a 10-year non-exclusive franchise. The first system granted a franchise was Canterbury Cablevision. Both companies have six months to finalize agreements with local utility companies for pole attachments and engineering plans . . . Geneva: American Telecable Services, Inc. has submitted a franchise bid to the city council. The offer includes weather scan, local origination and news.

**PENNSYLVANIA:** Pleasant Hills: The borough council has awarded a non-exclusive franchise to Video Link Co. . . Wilkes-Barre: The city council is now accepting CATV franchise bids.

**VIRGINIA:** Culpeper: The town council has awarded a 20-year CATV franchise to American Telecable Services, Inc. The firm bid \$10,000 for the franchise plus 10% of its annual gross.

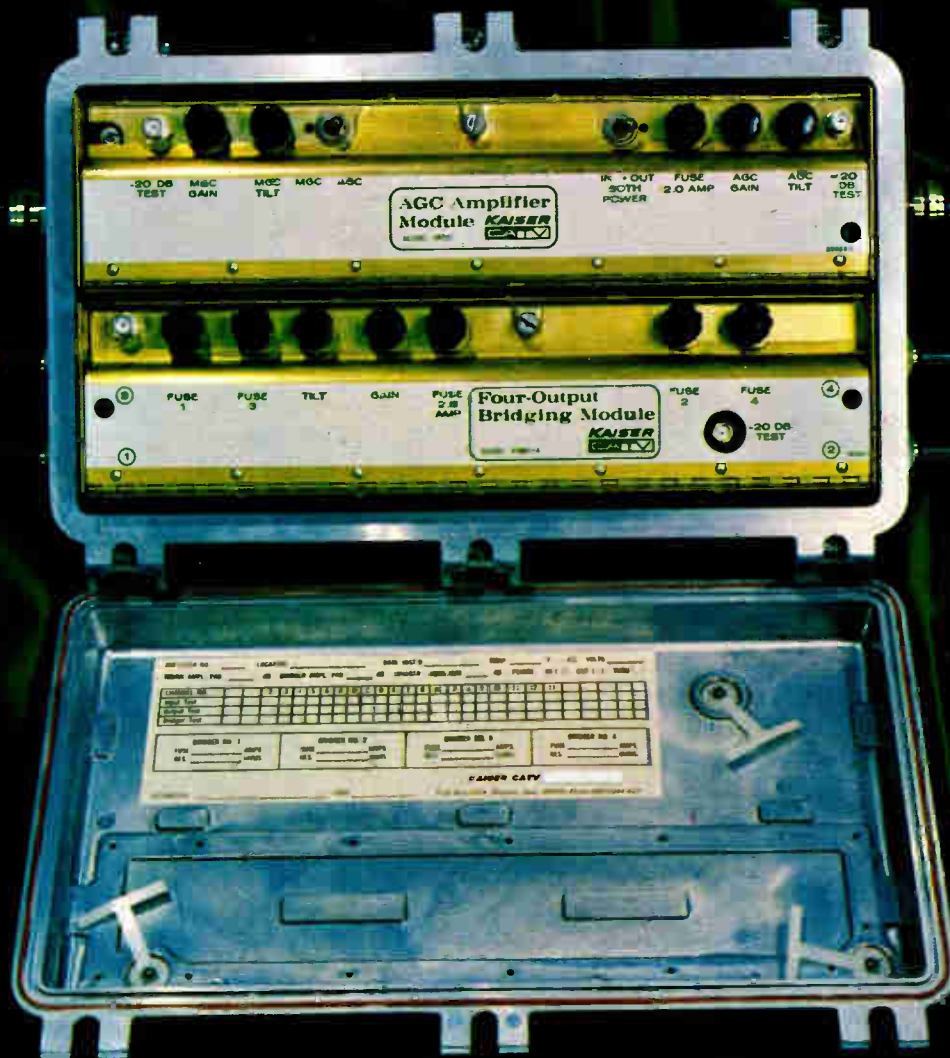
**WEST VIRGINIA:** Ravenswood: The Jackson County Community Antenna System, Inc. has been granted a cable franchise. Rates have been posted as \$9 installation and \$5 to \$5.25 per month.

# CATV

*Weekly News Service of Cable Television*

## 1969 NCTA CONVENTION PHOTO ALBUM





INTRODUCING THE NEW **EXTENDED RANGE**

# Phoenixian **X-R** Series

X-TENDED RANGE

- **Extended Frequency Range**  
from 50 to 270 MHz means  
up to 36 channels (32 plus FM)
- **Complete Push-pull Circuitry**  
reduces second order distortions
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with state-of-the-art advances in circuitry
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Dual pilot carriers control the  
entire spectrum from both ends
- **Response Flatness of  $\pm 0.25$  dB**  
over the full range of cable equalization
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requires no field adjustment
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no circuitry built into the housing
- **All Knob Controls**  
no tools required
- **Automatic Connections Between Modules**  
eliminates all connectors
- **Unique Shielded Circuitry Design**  
all controls and test points easily accessible  
without opening the shield



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**E**nthusiasm was the keynote at the larger-than-ever, highly successful 18th Annual NCTA National Convention. As cable people worked and played in San Francisco, *CATV* and *TV Communications* photographers and editorial staff recorded the scene. This special edition is the photographic report of those four days' activities. Highlights of the Convention shown on the Photo Album cover, include the election of Bill Adler as NCTA Chairman, succeeding Bob Beisswenger (top left), the traditional reception for new NCTA officers (top right), entertainment provided by Mickey Finn at the annual banquet (bottom left), and a legislative reception hosted by the new Political Action Committee for Cable Television (bottom right). These and other personalities and events of the Convention are detailed in the following pages which, as is our tradition, we dedicate to the cable television fraternity.

—The Editors





**Opposite page**

*Top left: Frank Cooper, president of Gridtronics, Inc., a subsidiary of TeleVision Communications, introduces a new 4-channel programming package.*

*Top right: Another indication of cablemen's deepening interest in local origination was the early morning eye-opener sessions devoted to cablecasting. Greg Liptak (right) of GenCoE explains techniques.*

*Bottom: New NCTA officers take the platform together for the first time. Standing left to right are: Secretary Monroe Rifkin; Treasurer, Randolph Tucker; Vice President, Ralph Weir; and President M. William Adler.*

**This page**

*Top: A record number of cable system operators, equipment manufacturers, suppliers and interested observers, as well as a full complement of wives and children, register for NCTA's 18th Annual Convention.*

*At right: In another impressive display of local origination potential, Bob Rice demonstrates the CBS EVR program designed specifically for cable systems.*





*Top left: FCC Commissioner Kenneth Cox, special guest at a breakfast meeting hosted by publisher Robert H. Huston, responds to questions from CATV panel. Seated left to right: Commissioner Cox; cable operator and manufacturer Jim Palmer; attorney Lewis Cohen; and cable operators Jess Allen and Frank Thompson.*

*Top right: Ben Hughes of CAS Manufacturing accepts nomination of the NCTA Associate Members as their board representative. Hughes is serving his second term in that office. This year, NCTA revised its regulations to give the associate representative a vote for the first time.*



*Middle: Frowning concentration and whispered consultation accompany the voting as NCTA members mark their ballots for officers and board members to serve during the coming year.*

*Bottom: Smiling cable people gather to toast the new CATV year at the annual banquet—one of the most gala events of the annual convention program.*

Where do you get an automatic time/weather machine  
that's also a compact origination studio?

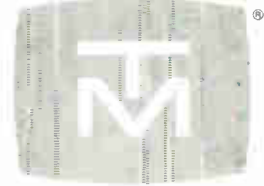


## Talk to TeleMation



Our WEATHER CHANNEL™ does a lot more than you'd think. Besides accurate reporting of time and weather conditions, you can use the camera's pan and tilt feature for live studio programming. Or use WEATHER CHANNEL with a film chain because it offers a built in film pickup capability. That gives you tremendous program flexibility. Also, 81 35 mm

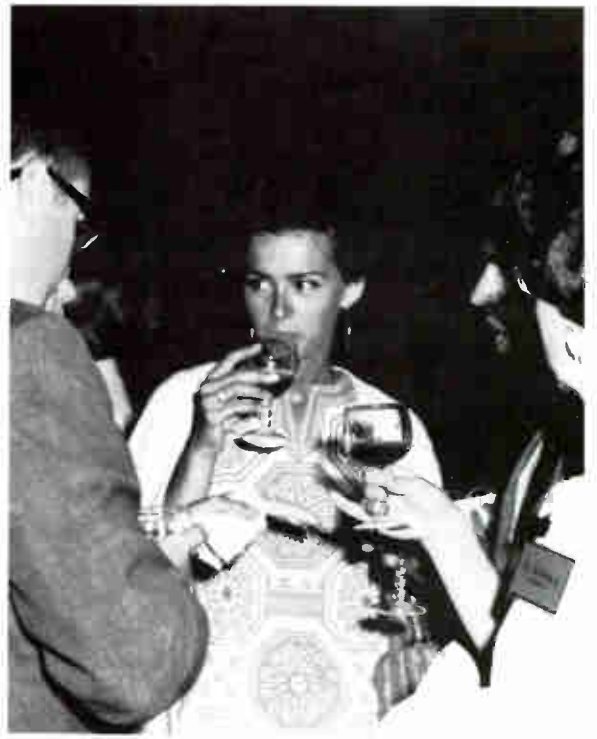
slides can be programmed and sequenced in any manner you wish for special service or advertising messages. And, as an option, automatic audio spot programming with slide presentation is possible. So you see, WEATHER CHANNEL '97' is really a complete, compact local origination studio. And over 500 are in use right now. More? The industry's most complete line of program equipment. Let's talk.



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*Top left and center: Samples of the various wines from the convention host state of California are tasted by Convention-goers at the special Wine Tasting Party sponsored by California Wine Makers.*

*Bottom left: Five new members join the CATV Pioneers Group. Named to the organization at the annual Pioneers' Dinner were: (left to right) Bob Magness, Community Television, Inc.; Carl Williams, cableman and state legislator; longtime CATV'er Harry Harkins of Florida; Irving Kahn, president of TelePrompTer Corp. Norman Penwell, NCTA director of engineering, was also named to the distinguished company of Pioneers.*

*Top right: Not on the formal agenda, but nonetheless important was the reception for legislators hosted by Political Action Committee for Cable Television, the new political action arm of the industry. The PACCT party offered cable people an opportunity to become acquainted with the aims and functions of the new organization . . . and also to meet such visiting dignitaries as Torbert Macdonald and Jesse Unruh. Pictured above are: (left to right) Bob Beisswenger, outgoing NCTA Chairman; Jesse Unruh, California gubernatorial candidate; Marty Malarkey, head of PACCT; and Bruce Lovett, NCTA general counsel.*

*Bottom right: NCTA President Frederick W. Ford (left) and U.S. Congressman Torbert Macdonald (D-Mass.) exchange views at the PACCT reception.*



# BMI HITS A NEW KIND OF HIGH

Here's How It Feels When Your Music Has  
Made All Top Ten Spots On The Top Charts Of  
Billboard, Cash Box, Record World And Variety.

(And It Isn't The First Time.)

**It's hearing BMI music all around us.**

BMI music was played more often during the first half of '69 than ever before.

**It's seeing BMI income at an all-time high.**

BMI has the greatest number of licensees in our history.

**It's being surrounded by beautiful people.**

More writers and publishers are affiliated with BMI than ever before.

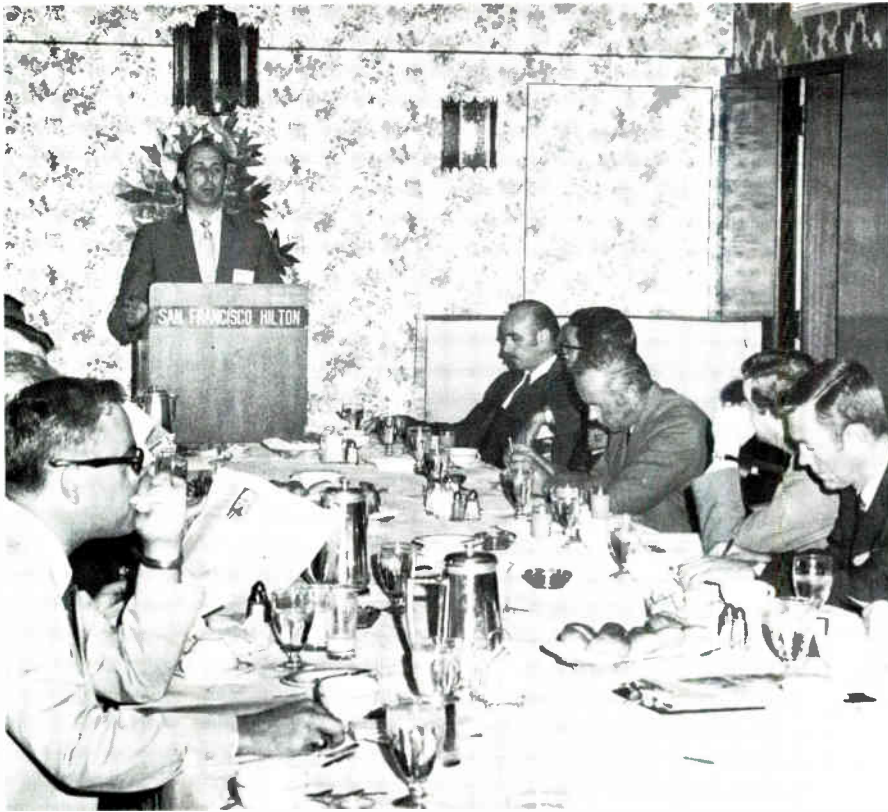
**It's happening with a lot of help from our friends.**

BMI salutes the talented people—the writers and publishers—who make this happen.



**ALL THE WORLDS OF MUSIC FOR ALL OF TODAY'S AUDIENCES.**





*Top left: Roland Hieb (at podium), director of the National Cable Television Institute, CATV correspondence school, hosts the breakfast for the school advisory board.*

*Top right: New exhibitor RCA displays color origination equipment.*

*Above: San Francisco Mayor Alioto opens convention.*

*Right: Well-known Washington attorneys Jay Ricks, Art Stambler and Art Scheiner discuss CATV franchising.*



## QUESTIONS MOST FREQUENTLY ASKED ABOUT HAMLIN BAND PASS FILTERS...

1. Q. **Why the sudden interest in Band Pass Filters?**
  - A. Cost. They used to cost about \$75.00. This meant \$1800.00 to clean up a 12 Channel Head End. Now they are \$10.00 and it costs only \$240.00 to put them at input and output.
2. Q. **Where are they necessary?**
  - A. Primarily at Head End Signal Processors, at both input and output.
3. Q. **Why at outputs?**
  - A. To eliminate "leakage" of 45.75 IF and local channel oscillators.
4. Q. **How can 45.75 harm the pictures?**
  - A. Because of loose "tolerances".
5. Q. **How does that affect the matter?**
  - A. Plus or minus 100 KC means up to twelve different "45.75's", varying from 45.65 to 45.85.
6. Q. **So what?**
  - A. They "beat".
7. Q. **Then what?**
  - A. Their "beats" then modulate desired carriers".
8. Q. **Then what?**
  - A. A TV Receiver detects them and they appear as "wormy pictures" or "busy backgrounds".....or just plain noise.
  - A. Only \$120.00 per set of 12 channels, 2 thru 13. Less than 12 \$15.00 each.
9. Q. **Back to the Head End...how do they beat without a Detector?**
  - A. They don't.
10. Q. **Where is the detector?**
  - A. Every non-linearity from Head End "Mixing" to cascaded amplifier.
11. Q. **What's a typical example?**
  - A. Signal Processor outputs. They have steep slopes at 45.75 to minimize leakage. When interconnected to other Processors they make near perfect "slope detectors" for 45.75 MC "beats".
12. Q. **What else?**
  - A. Broad Band Amplifiers. They also have steep slopes at 45.75.
13. Q. **Why are the "wormy pictures" worse after cascading amplifiers?**
  - A. Because you cascade "slope" detectors.
14. Q. **Will Hamlin B.P.F.'s at \$10.00 actually cure this?**
  - A. Yes, unconditionally.
15. Q. **Have you sold many?**
  - A. More than 4,000 in six months.
16. Q. **Is that a lot?**
  - A. Probably more than sold by the whole Industry since 1949.
17. Q. **And what did you say the price is?**
  - A. Only \$120.00 per set of 12 channels, 2 thru 13. Less than 12 \$15.00 each.

*For additional information or specifications on Hamlin MINIFILTERS, wire, write, or phone today.*

**Hamlin**  
INTERNATIONAL CORPORATION

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*Above left: Members of the CATV Pioneers gather for a pre-convention party.*

*Above right: Attorney Harry Plotkin discusses FCC regulation.*

*Below left: Harry Butcher, cableman from Santa Barbara, Calif., announces the winner of the Larry Boggs Award.*

*Below right: Martin F. Malarkey and his wife beam as they hear that he is the recipient of the Boggs Award for outstanding service to the CATV industry during 1969.*



**It shouldn't cost  
you anything to originate  
a news, stock market,  
local message channel.**

**(You can even make  
a profit on it.)**

All you need is an ALPHAMATIC NEWS custom package—and a typist. ALPHAMATIC NEWS is self-sustaining, fully automated, and profitable. Your typist originates local news reports—and all the local advertising you can sell. As easily as she gets out a memo. Plus 24-hours of news reports from United Press International and New York Stock Exchange sales prices. Call us collect (212) 421-9666 or write ALPHAMATIC NEWS a service of



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- Send me details on local news origination and advertising on ALPHAMATIC NEWS keyboard input.
- Send me information about push-button origination of United Press International 24-hour news coverage via ALPHAMATIC NEWS.
- Send me information about New York Stock Exchange coverage via ALPHAMATIC NEWS.
- Have someone call.

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PHONE \_\_\_\_\_



**This page**

*Top left: Walter Kaitz (left) presents a CATV service award to Hal Phillips, Oklahoma cable operator.*

*Top right: Issac Blonder (center), head of Blonder-Tongue, chats with Jack Penwell (left) and Norm Penwell.*

*Above: Speaking on studio lighting and programming are: W. Schweizer, Modern Talking Pictures; J.R. Burull, Viking; Ed Drake, GenCoE; Bob Weisberg, TPS; and Mort Fink, TPI.*

*Left: Pennsylvania cable people steal a moment to relax. Clockwise from extreme left: George Barco, Meadville Master Antenna; Jim Palmer, C-Cor president; Mrs. Palmer; John Walson, Service Electric; and Mrs. Barco.*

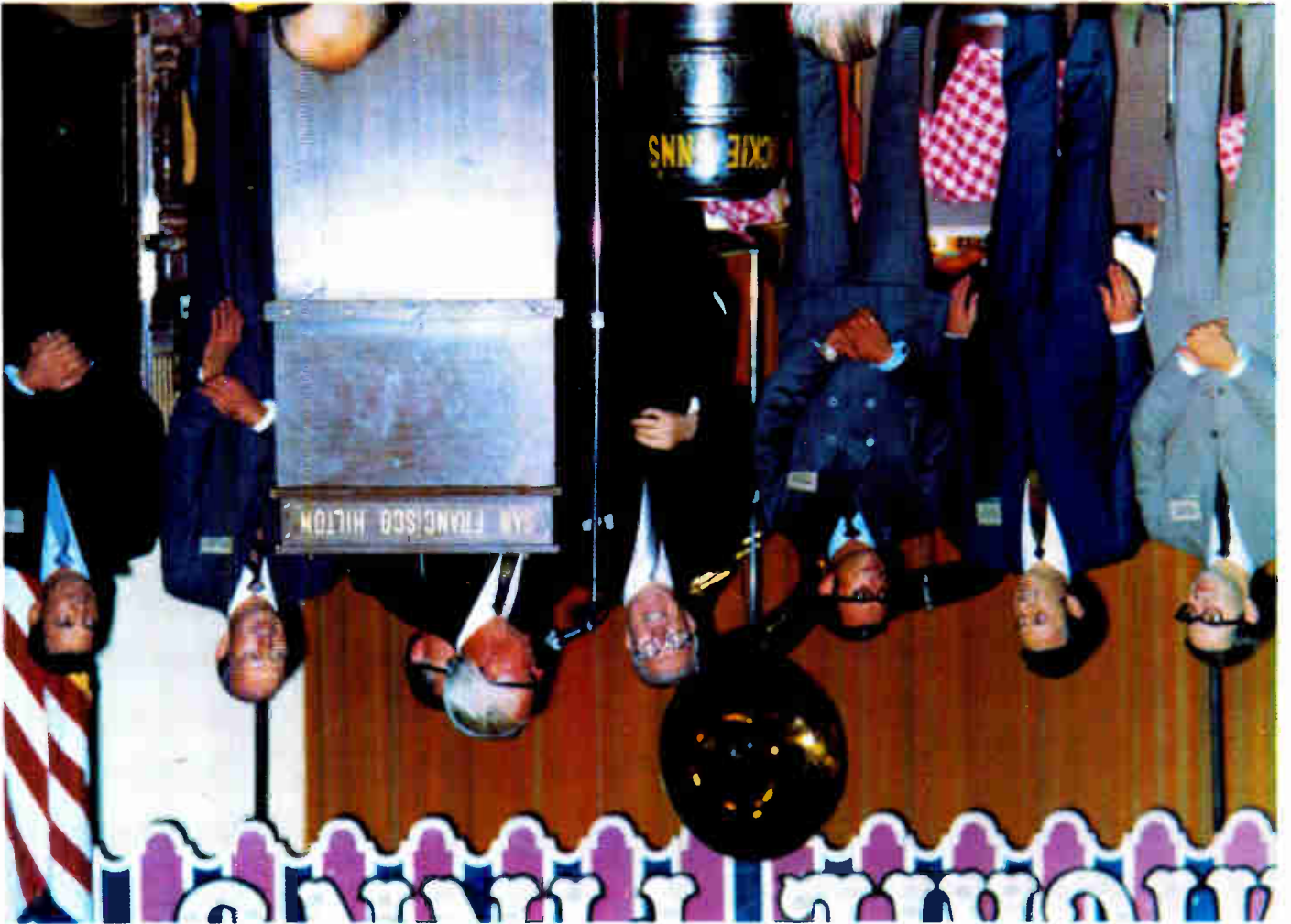
**Opposite page**

*Top: Harry Butcher introduces some of the newly elected NCTA directors. Left to right: Joel Smith, Bill Brazeal, Abe Patlove, George Barco, Dick Gamble, and Glenn Scallorn.*

*Bottom Left: D.A. Shaw and M.E. Koslujandic of B.C. Cable Contractors talk with Ralph Rafik at the TPI booth.*

*Bottom Right: FCC General Counsel Henry Geller.*





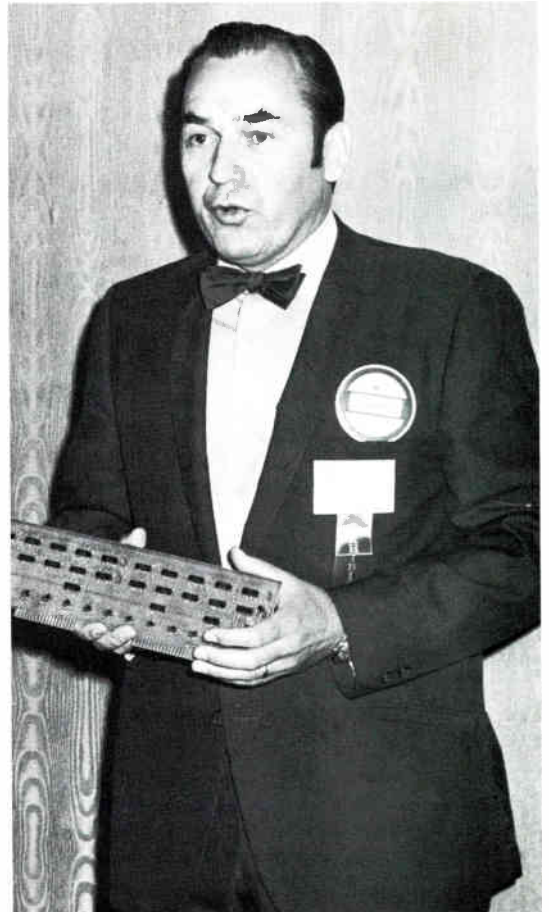


*At left: Tom Smith of Scientific-Atlanta answers the questions of Grady Perkins, TV Cable Co., Greenwood, Mississippi.*

*Center left: Dr. Joseph Vogelmann of Chromalloy American demonstrates his point while fellow panelists Milford Richey of Collins Radio and Hub Schlafly of TPT watch with interest.*

*Bottom left: Television Utilities Corporation representatives greet visitors Benjamin Penny (far left) and Ed Wallerstein (third from left) with a smile. Manning the booth for TUC were Anthony Lopez, Gloria Goldner, Maureen Farrell and Al Jenkins.*

*Below: Lyle Keys, president of Tele-Mation, Inc., personally introduces his firm's new equipment at a convention press conference.*







*Above left: Mr. and Mrs. Bill Brazeal (left) and Mr. and Mrs. Monroe Rifkin (right) introduce a young lady to entertainer Mickey Finn at the annual banquet.*

*Above right: E. Stratford Smith, well known communications attorney, outlines the legal picture for CATVers.*

*Below left: Sylvania, new convention exhibitor, demonstrates local origination equipment.*

*Below right: Richard Hickman (right) of Cox Cablevision, asks advice from Aqua Instrument's John Jerose.*



# “Trifles make perfection and perfection is no trifle.”



We wish that we had said it first. But we didn't. A perfectionist named Michelangelo deserves credit for the line. Here at Benco, we design and engineer CATV equipment as if he was looking over our shoulder. We figure he would have insisted on nothing less than a perfect picture via CATV. And after all, if Michelangelo would have approved of our work, we shouldn't have any problem pleasing you. Or your viewers.



**Built by perfectionists  
for perfectionists.**

Benavac Mk II solid state automatic video-audio control unit. Maximum channel capability; modular design; immediate delivery.



**Benco Television Corporation**  
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P. O. Box 10068, Jacksonville, Florida 32207  
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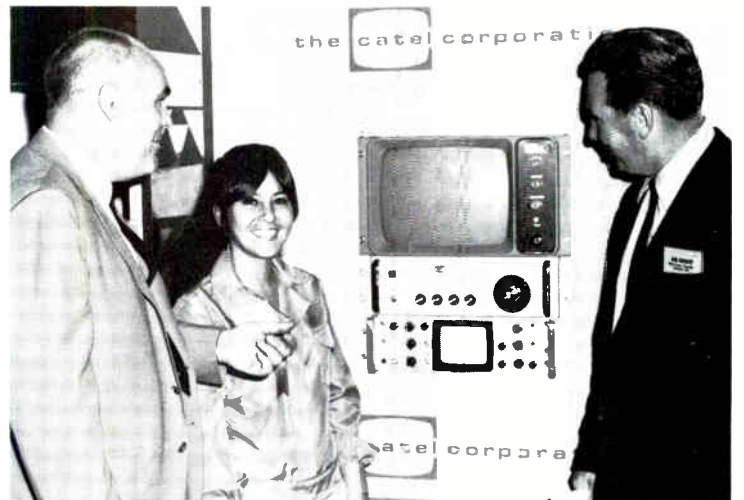
At right: George Acker of Aberdeen (far left) and Dick Vehoffer of Community Television (standing) enjoy the hospitality in the Jerrold suite.

Center, left: At an early morning session Conrad Bastow, TV Transmission; Robert Weisberg, TeleMation Program Services; and Robert Williams, Community Antenna, discuss the peril and profit of film programming.

Center right: James D. Hurd (left) of Reeves Telcom and Bob Christie (right) of the Welsh Group visit with Mrs. Fung in the Catel booth.

Bottom left: M.D. Bingham demonstrates Dynair's demodulator for Malcolm Ferguson, Athena Communications.

Bottom right: Bob Sexton (left) and Bob Cooper (center) explain J-Tec's products to Robert Keating of K&K Cable TV, Devils Lake, North Dakota.



# THE 'BREAK-THRU' AMP

## UNICOM



The UNICOM provides a whole basis for future communications along CATV cables. To the one housing may be added modules which make it a trunk amplifier, combination trunk-bridging amplifier or distribution amplifier. These may be provided with AGC modules which may be used in conjunction with CASCADE's temperature level control (TLC). Further modules may be added at any time, present or future, which will provide two-way communications, remote status monitoring for individual amplifiers, extra plant for dual cable operation, or standby plant to insure against breakdown.

### 2-way Communications

Modules may be added to the UNICOM to enable signals to be returned along the CATV cable at the same time as, but in opposite direction

to, the VHF band signals. Such signals may be from locally originated programmes, a remote antenna system or from monitoring equipment.

### Remote Level Monitoring of Amplifiers

Modules may be added to the UNICOM to enable the output level of the trunk amplifier to be monitored at the head-end or any desired point along the trunk line, with great savings in trouble shooting and maintenance time. This facility may also be used to carry out summation sweeps, from the head end, of individual amplifiers, or the whole trunk line, with indication at the head end.

### Dual Plant

With the new UNICOM, not only may further interchangeable modules be added at a later date but the housing itself may be expanded by replacing its lid with a duplicate housing. This extra capacity may be used for additional equipment, such as for a dual cable system, or to provide space for further modules—as requirements change or for "standby" operation to insure against breakdowns.

### CASCADE ELECTRONICS

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### FRED WELSH ANTENNA SYSTEMS

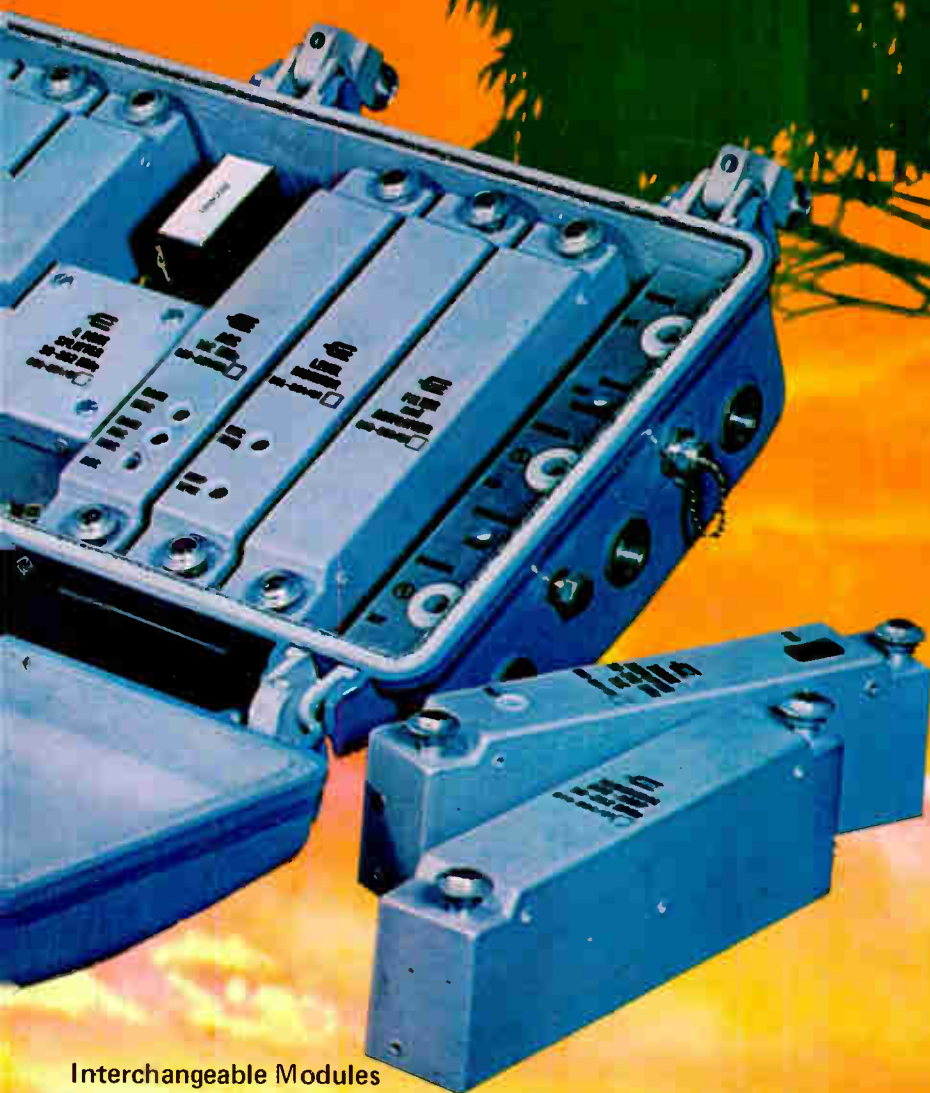
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## CASCADE

CASCADE ELECTRONICS LTD. PORT MOODY, B.C.

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# AMPLIFIER...



## Interchangeable Modules

The housing will accept a whole range of interchangeable modules. Equipment may be upgraded, extended or have extra facilities added by plugging in different modules.

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Please forward further information on subjects marked—

- 2 way communication     Status monitoring  
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# CASCADE

CASCADE ELECTRONICS LTD. PORT MOODY, B.C.

\* Cross modulation measured on Ch. 13 with 12 channel synchronous test amplifiers aligned to maximum cable loss and recommended input levels.

\*\* Level automatically set by either AGC or Temperature Sensing Thermistor.

### Note:

Plug in attenuators are provided to set the gain of all trunk (except A.G.C. trunk, where it is not applicable) and bridging amplifiers.

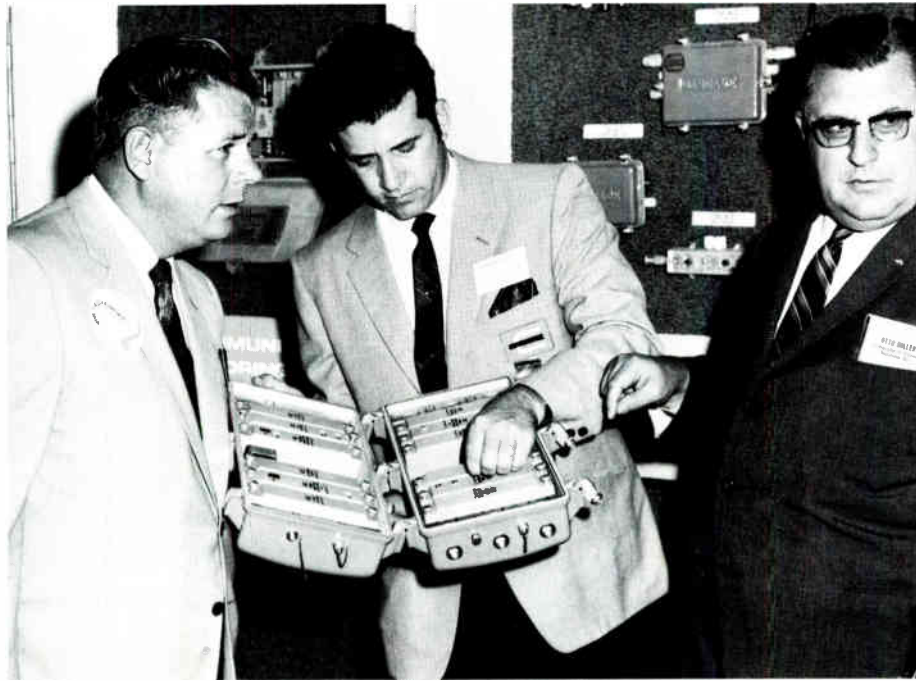
- 1) 0dB to 6dB flat pads
- 2) 0dB to 8dB cable equalizers
- 3) 0dB to 6dB cable substitutes

Parameters measured at 216 MHz unless otherwise noted.

	Trunk Amplifier	Bridger Amplifier	Bridger Amplifier (high output)	Combination Amplifier	Combination Amplifier (high output)	Termination Distribution Amplifier	Termination Distribution Amplifier (high output)
Bandwidth	50-252 MHz	50-252 MHz	50-252 MHz	50-252 MHz	50-252 MHz	50-252 MHz	50-252 MHz
Recommended O/P levels	32dBmV	40dBmV	50dBmV	32dBmV (Trunk) 40dBmV (Bridger)	32dBmV (Trunk) 50dBmV (Bridger)	40dBmV	50dBmV
Cross modulation ratio at recommended O/P levels	-90dB	-60dB	-60dB	-90dB (Trunk) -60dB (Bridger)	-90dB (Trunk) -60dB (Bridger)	-60dB	-60dB
Operational Gain:	22dB	30dB	40dB	22dB (Trunk) 30dB (Bridger)	22dB (Trunk) 40dB (Bridger)	30dB	40dB
Recommended input level low band	13dBmV	15-26dBmV	15-26dBmV	13dBmV	13dBmV	13dBmV	13dBmV
Recommended input level high band	10dBmV	18dB (i/p to pre-amp)	18dB (i/p to pre-amp)	10dBmV	10dBmV	10dBmV	10dBmV
Return loss: Input	18dB	18dB (i/p to pre-amp)	18dB (i/p to pre-amp)	18dB (i/p to trunk amp)	18dB (i/p to trunk amp)	18dB (i/p to pre-amp)	18dB (i/p to pre-amp)
Return loss: Output	15dB	18dB	18dB	18dB	18dB	18dB	18dB
Noise figure: low band	8dB	8.5dB	8.5dB	8dB	8dB	8.5dB	8.5dB
Noise figure: high band	9.5dB	10dB	10dB	9.5dB	9.5dB	10dB	10dB
Tilt control range	1.5dB @ Ch. 2	+4dB @ Ch. 2	+4dB @ Ch. 2	+4dB @ Ch. 2	+4dB @ Ch. 2	+7dB @ Ch. 2	+7dB @ Ch. 2
Output test points	-20dB ±1dB	-20dB ±1dB	-20dB ±1dB	-20dB ±1dB	-20dB ±1dB	-20dB ±1dB	-20dB ±1dB
Power requirements	250 mA @ 22 VAC 185 mA @ 32 VAC	500 mA @ 22 VAC 380 mA @ 32 VAC	750 mA @ 22 VAC 550 mA @ 32 VAC	500 mA @ 22 VAC 360 mA @ 32 VAC	500 mA @ 22 VAC 360 mA @ 32 VAC	500 mA @ 22 VAC 260 mA @ 32 VAC	750 mA @ 22 VAC 550 mA @ 32 VAC

# vikoa TOTAL





**Opposite Page**

*Top left: Diane Ferrona plays hostess for Vikoa to Harry Anglin of Clear-View Cable TV, Martinsville, Virginia.*

*Top right: L.P. Hammond (left) of Feather River TV Cable in California discusses antennas with Rudy Riley of Systems Engineering.*

*Bottom left: Chuck Trimble, president of H&B Communications, stops by the Phillips Broadcasting exhibit where hostess Collette demonstrates some of the equipment.*

*Bottom right: Allan McDonald, Alabama cable operator (left) is deep in conversation with Edward Whitney, president of Entron, Inc.*

**This page**

*Top: Mark Lewis (center) opens up a Cascade amplifier for Otto Miller (right) of Tuscaloosa, Alabama and an American Pamcor representative.*

*Center right: John Braund shares a joke with N.M. Marshall and Jack Woods of Systems Wire & Cable, Inc.*

*Bottom right: Jerry Conn (left) discusses business with Telecable's Frank Perry.*



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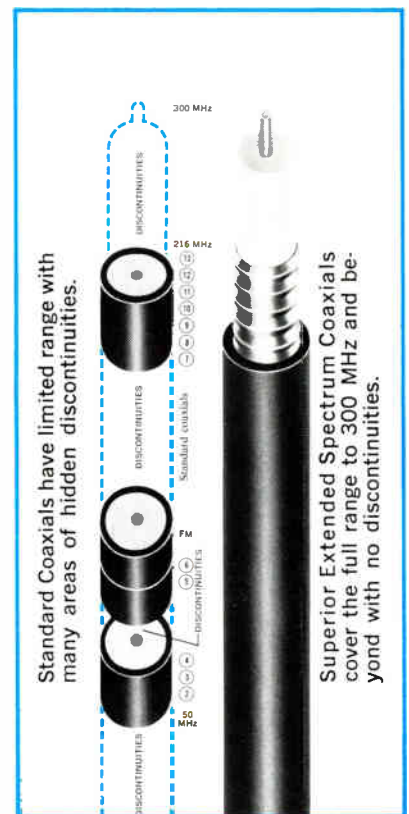
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*Top left: Giving their views on how to market a CATV system are (left to right): Monroe Rifkin, ATC president; Joe Hale, Western Communications, Inc.; Lisa Best, CATV Marketing, Inc.; and Geoffrey Nathanson, Harriscope Broadcasting, Inc.*

*Top right: Sruki Switzer, Maclean-Hunter Cable TV, Toronto, explains test procedures and equipment, during a Wednesday technical meeting.*

*At right: Louis Scott, head of FCB Cablevision, addresses the opening session of the convention.*

*Bottom left: Entron president Ed Whitney (right) joins cable operator Frank Thompson and Mrs. Thompson for a San Francisco social hour.*

*Bottom right: Real Therrien, member of the Canadian Radio and Television Commission, exchanges views with Chuck Bell, assistant editor of CATV Magazine.*



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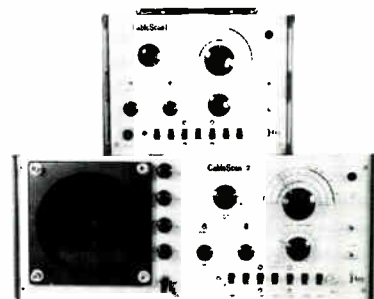
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Top left: Harry Gray and C.M.H. Evers exchange greetings at the Benco exhibit.

Top center: Mimi Barash of Barash Advertising.

Top right: Ray Schneider (center), in Oriental garb, discusses Times Wire products with Basil O'Hagan (left) and Burnell Martin of Valley Cablevision, South Bend, Indiana.

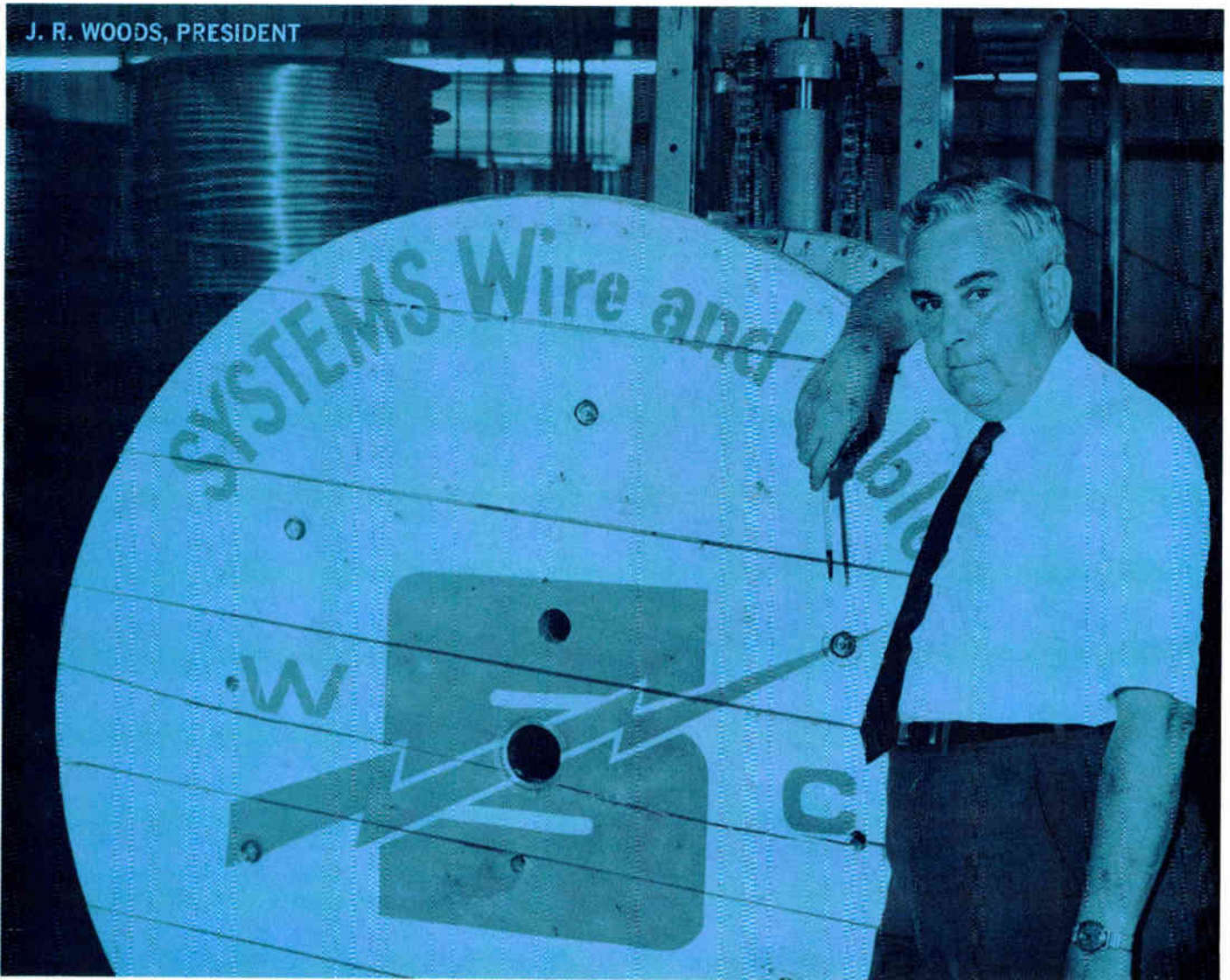
Right: John Zobatar (far right) shows Anaconda's mainline gear to cablemen Joe Walker and Rick Siemans.

Bottom left: Telemet's B.W. Osborne takes the podium during a session on demodulators. Archer S. Taylor of Malarkey-Taylor and C.T. Johnson of Scientific-Atlanta take notes.

Bottom right: David Wheeler (left) of Clarity TV, Inc. visits with CAS representatives Preston Spradlin and Bob Welch.



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At right: Enjoying the evening festivities are (left to right) Mrs. G. Norman Penwell; Archer Taylor; Mrs. Taylor; and Massachusetts cable operator Al Ricci.



Center left: Sol Schildhouse (left), head of the FCC's CATV Task Force pauses to visit with Xenophon Mitchell, from Ottawa (Ill.) CATV.

Center right: George E. Wolford of Liberty (Ky.) Television, Inc. stops by the Davis exhibit to see Bob Giles.

Bottom left: A French theme and French slogan—"Vive La Difference"—drew visitors to the American Pamcor booth.

Bottom right: Ken Wenger (left) of Continental Transmission and Greg Wittke discuss the merits of the Sod Master equipment on display.



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**This page**  
*Above: K.R. Fox (left) and John Morrissey welcome visitors to the Collins display.*

*Below: Seattle cablemen Jerry Laufer (center) and Jim Hirshfield (right) listen with interest to Lindsay's Frank Penny-packer.*

**Opposite page**  
*Top: Paul Franklin and Don Steele of Ameco visit with Milt Bryan (left), managing editor of TV Communications.*

*Center: NCTA officials entertain questions from the floor during the business meeting.*

*Bottom left: Don Mezzalingua (right), Craftsman president, exchanges pleasantries with Ed Allen and Lorraine Phelps of Western Communications.*

*Far right: Smiling hospitality invites visitors to the Pruzan exhibit.*





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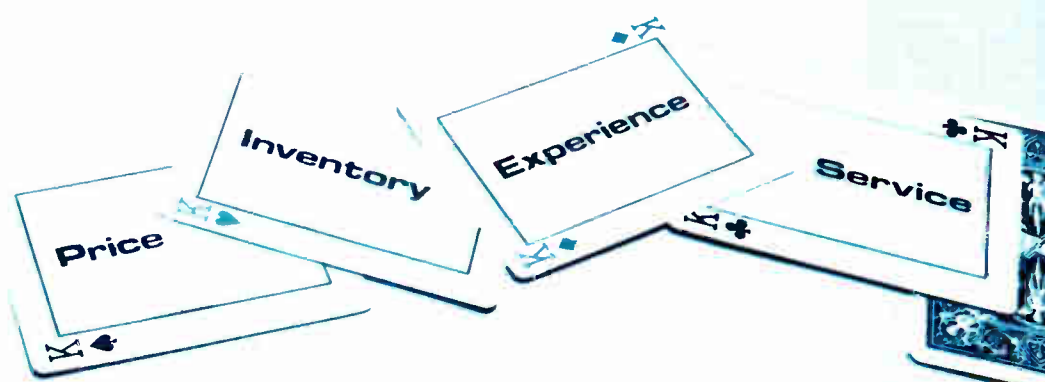
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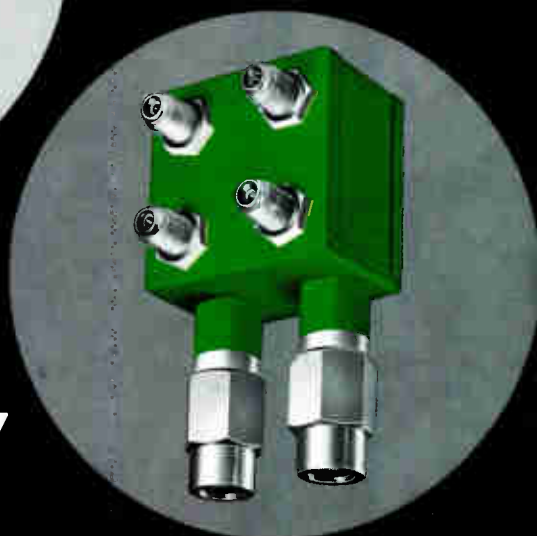


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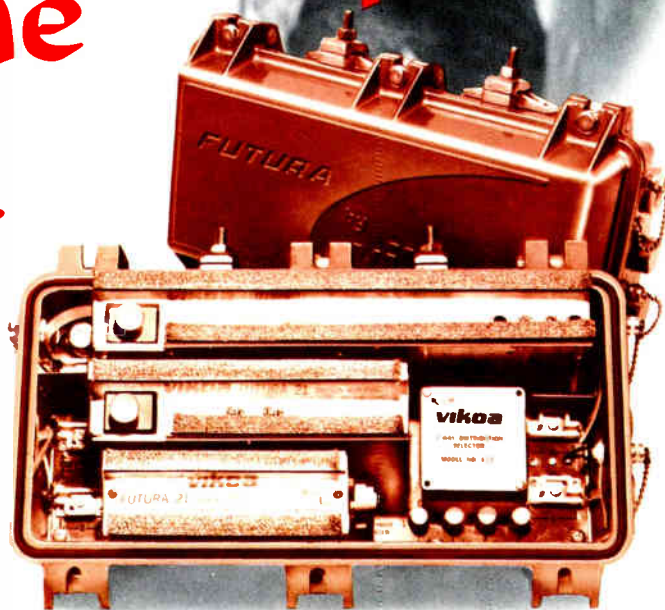
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