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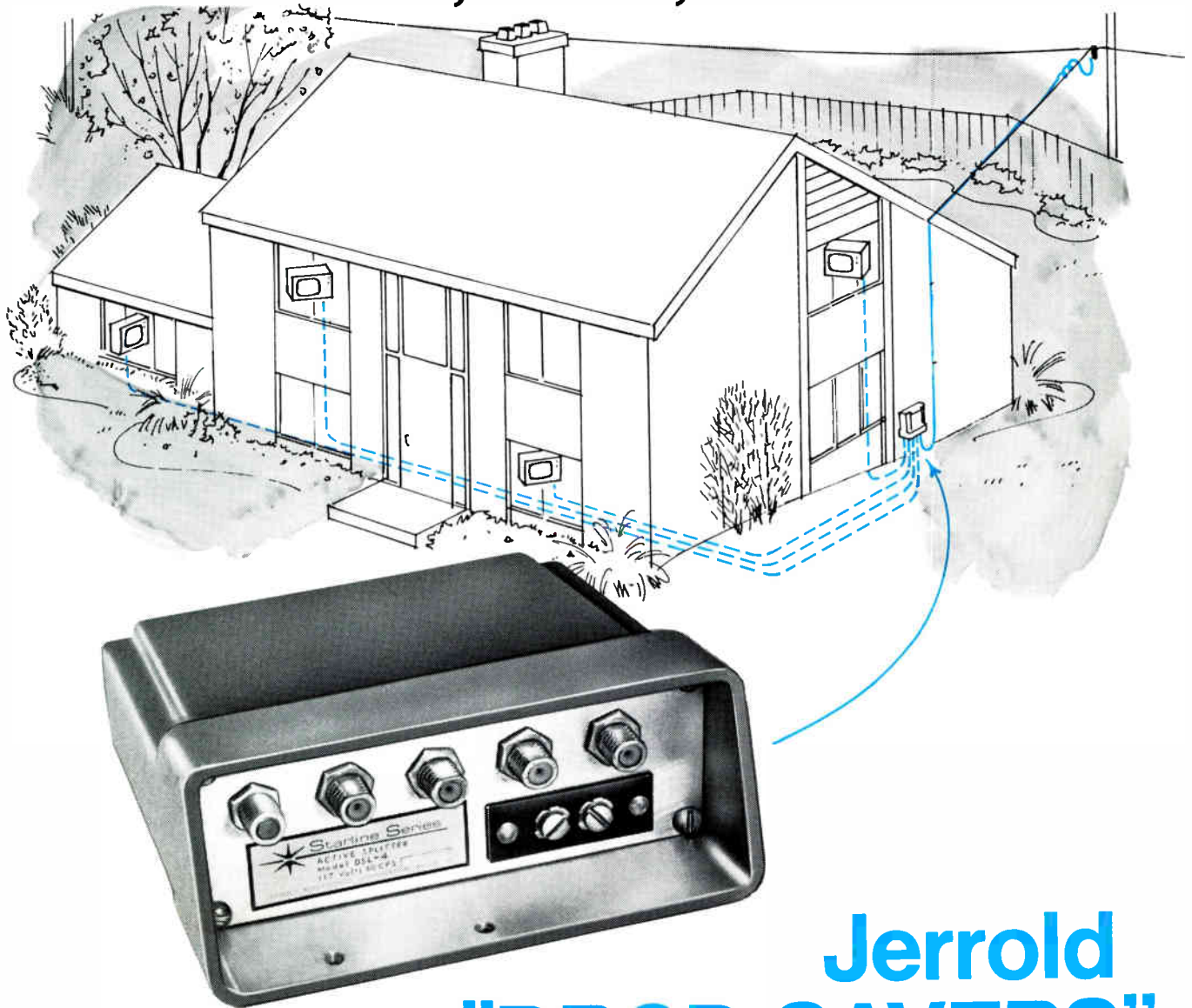
December 15, 1969

# CATV

**Authoritative Newsweekly of Cable Television**



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*Enjoying themselves at Communications Publishing Corporation's open house in Denver are John Russell, Vikoa; John Nally, Denver CPA and aide to Congressman Don Brotzman; and Robert Clark, president of Cablecom-General. The publishing firm hosted cablemen, CATV equipment manufacturers, consultants and local and state government officials. (For full details see story inside.)*

# CATV

**Authoritative Newsweekly of Cable Television**

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## Conspectus

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Bill is reported out of subcommittee. One to five percent fee charged for "basic TV service" and one percent for each additional channel.

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New England Governor's Conference commissions independent study group to analyze CATV and report back. May use report to pattern PUC regulations.

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First of a kind—three San Diego systems have been ordered by FCC to file quarterly performance reports for one year.

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Open house for recently-moved Communications Publishing Corporation attracts guests including cablemen, state and local government officials.

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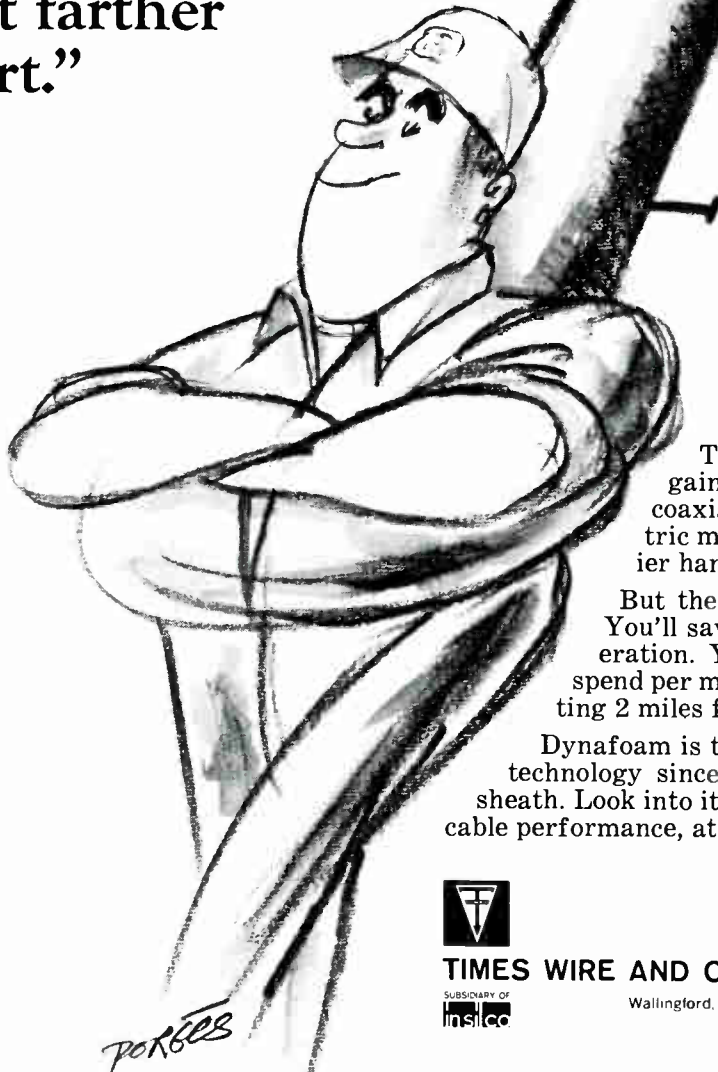
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Editor

## Viewpoint

### CATV Leadership on Trial

The seemingly impossible has happened! The Patents, Trademarks and Copyright Subcommittee has at last reported out a bill—proof that the machinery of government *does* move, after all. The subcommittee staff no doubt heaved a great sigh of relief; they have been working literally for years on the problem. In fact everyone affected by the bill feels some relief in finally having something tangible to work with.

The challenge which now confronts the CATV industry would be much the same no matter what the provisions of the bill. Of first importance right now is to *unite* the industry in its efforts to modify and support copyright legislation. With a substantial number of CATV people unalterably opposed to *any* legislation of this sort, the challenge would be the same whether the present bill allowed twice as many signals or half as many signals as it does.

It remains to be seen what sort of leadership is going to be exercised within this industry. It remains to be seen where that leadership is going to come from—from NCTA, from state and regional trade groups, from individual cablemen—probably from all of these sources and more.

Not for years have cable people faced exactly this kind of challenge . . . but there are many in CATV who remember the failure of the industry in a similar situation in 1960. On that occasion, the CATV community came out in support of regulatory legislation—only to withdraw support at the eleventh hour. If cable people remember, it's certain that legislators (including Senator John Pastore who was burned on the 1966 bill) remember also.

During the long summer of 1969, when nothing seemed to be happening, it is to be hoped that cable operators were planning for today and for action. Nobody likes compromise; but compromise is a necessary part of putting laws into effect. And it is to be hoped that both the rank-and-file and the leadership of cable television have prepared themselves to effect the right kind of compromise: A compromise that sacrifices no one segment of the industry to the selfish interests of another segment; a compromise which will allow the public a choice of the maximum kinds of communications outlets possible.

NCTA, being the logical leader of the industry, is on the spot. If the association is going to marshal an entire, and divided, industry, it is going to have to do more than just pay lip service to the diverse viewpoints which make up "CATV"—it's going to have to do at least three things: 1. *Know* what cable operators (not just the MSOs) want and need; 2. Make a serious effort to represent all CATV needs; and 3. Justify the final Congressional result to all segments of the industry. Both non-members and dues-paying members are looking to NCTA. Failure of the association could mean either loss of any legislation at all—or winning the legislation but losing half the industry for good. Either way, the damage to NCTA's prestige and influence would be permanent and irreparable.

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# Copyright Bill Out of Subcommittee: CATV Section Sets Carriage & Rates

**Subcommittee reports out Copyright Bill with CATV included. Cable section sets rates at one-five percent, lists provisions for "adequate service."**

The Senate Copyright Subcommittee last week approved Copyright revision legislation with a CATV section providing that CATV systems would pay a compulsory license fee annually of one to five percent of their gross.

The bill stated that cable operators in the top-50 markets would by that payment be permitted to carry three network stations, three independent stations, and one educational television signal. Below the top 50 markets, systems are allotted one fewer independent signal.

## Interim Rules Preempted

The FCC's proposed and interim rules of a year ago would be preempted by the bill and the Commission provision for program-by-program retransmission consent for distant signals would be banished. The "footnote 69" provision banning CATV systems from carrying dual major market local signals when they overlap, as, for instance, with Washington and Baltimore, would be obliterated. CATV systems would be required to carry all local signals.

By this bill the FCC would be able to authorize systems to carry distant signals in addition to those necessary to fill out their "adequate service" quotas of "three plus three plus one" or "three plus two plus one." If additional distant signals are authorized, however, the CATV system would have to pay an additional one percent of its gross annually for its compulsory copyright license.

Although the language of the subcommittee was somewhat vague regarding "grandfathering," Washington sources indicated that the "basic service" compulsory licensing fee would allow systems to continue carrying all signals carried at present.

One-day program exclusivity protection will be in the law for local stations, but syndicated shows will lose their exclusivity protection after their

first local over-the-air carriage. The bill says that top markets must give life of contract protection if the local broadcaster has the rights, and below top-50 markets, protection for only first run syndicated.

## Erase Exclusivity

One lawyer thinks that the language of the bill might even be interpreted to mean that the original network showing of a program later syndicated would erase exclusivity protection.

Those are the major CATV provisions of a very difficult, complex and hotly debated piece of legislation that is still far from being signed into law.

Sen. John L. McClellan (D-Ark.) and his subcommittee have been considering the revision bill—which has controversial provisions dealing with a wide range of subjects besides CATV—for some time,

and he promised to act on the bill this year. He has fulfilled his pledge.

The parent Senate Judiciary Committee is not likely to deal with copyright revision until March at the earliest, however, and both the broadcasters and copyright owners—as well as CATVers—will pull out all the stops in an effort to win a CATV section more to their liking. Assuming the full committee approves the bill, it still would need House clearance; and, no doubt, a House-Senate conference to work out difficulties. One observer said that the bill is so delicately balanced that the House will have to accept the whole thing or admit that the legislation simply can't be agreed on.

## Resembles Staff Agreement

Bruce Lovett, general counsel of NCTA, noted that the legislation was drawn up along the lines suggested by the staff agreement made by NCTA and the National Association of Broadcasters. He said that he deplored in particular one departure from that document—the three plus two plus one provision for under top-50 markets.

*(Continued on page 20)*

## Proposed Bill Sets Graduated Fees

It is highly unlikely that the CATV section of last week's Senate Copyright Subcommittee bill (see separate story this page) will pass Congress in its present state. Nevertheless, the fee structure set out in this first version of the legislation is of particular interest to cablemen.

The bill provides for quarterly payment of compulsory license fees by systems, with checks due in January, April, July and October. A total royalty fee for the period covered by the statement would be computed on the basis of a percentage of gross subscriber revenues, as follows:

1. One percent of gross receipts up to \$40,000;
2. Two percent of gross receipts over \$40,000, but not more than \$80,000;
3. Three percent of gross receipts over \$80,000, but not more than

\$120,000;

4. Four percent of gross receipts over \$120,000, but not more than \$160,000;

5. Five percent of any gross receipts over \$160,000.

This schedule of payments applies to the system's "basic television service" only (that is, the number of network, independent and ETV signals which any system would be allowed, by law, to carry automatically).

Along with the copyright royalty payment, the system would be required to file a statement of account covering the three-month period. The statement would specify the number of channels carried; the names and locations of the television stations whose signals are being carried; total number of CATV subscribers on the system; and gross subscriber revenues.

## NCTA Names Co-Chairmen For Taverner Reception

Five co-chairmen for NCTA's Congressional reception February 4, during National Cable Television Week, have been named.

Slated to coordinate activities for the reception, which will honor new NCTA president Donald V. Taverner, are William Bresnan, executive vice president of H & B American Cablevision Co.; Bill Daniels, president of Daniels & Associates Inc.; Irving Kahn, chairman and president of TelePrompTer Corp.; J. Leonard Reinsch, chairman and president of Cox Cable Communications Inc.; and Monroe M. Rifkin, president of American TV & Communications Co.



J. Leonard Reinsch William Bresnan

Blocs of rooms at the Mayflower Hotel are being held for operators across the country who wish to attend the reception which will be open to the entire cable industry.

## Governors in New England Commission Cable TV Study

The New England Economic Research Foundation has been commissioned by the New England Governor's Conference, after the governors' recent meeting, to study CATV in the six New England states.

The foundation is an independent study group which will look into the whole subject of cable television—present status and future potential—to make recommendations as to what regulations, if any, are necessary.

John Mooney, president of the New England Cable Television Association, said that he has been in touch with the foundation and is working with them in order to get "an objective appraisal rather than a panicky one."

Mooney said that the foundation,

after making an appraisal, will report back to the governors' conference, and the governors, in turn, will report back to their respective state legislatures. He said that the governors will try to work out virtually identical legislation based on this report for each of the New England states.

A time for the report to be given to the governors was not readily available since the study has just begun; little is expected to be done until after the holidays.

Of the six New England states—Maine, Vermont, New Hampshire, Rhode Island, Connecticut and Massachusetts—two have PUC legislation—Rhode Island and Connecticut. But PUC control is also threatening several others.

Several bills have been introduced into the Massachusetts legislature for the coming session. The Consumers Council bill, which has been filed for three consecutive years, will again see action. Another has been introduced which would put the state's CATV industry under straight PUC operation, and one more would combine PUC regulation with a provision allowing towns and cities to go into the CATV business.

Rhode Island, which has already gone PUC, has only one operating system in the entire state as a result. The state's bill is very vague about rate structure and clarifies licensing procedures.

Connecticut's PUC legislation is at present tied up in court, but the research foundation's findings could very well have an effect upon the court decisions.

Vermont will also see PUC action this year despite the intra-industry CATV Control Board which was designed mainly to police the industry.

## FCC Orders Systems To File Progress Reports

The FCC last week ordered a trio of San Diego, California, CATV systems to file quarterly progress reports for one year on the technical performance of their cable systems.

The Commission action is the latest development in a long case of various CATV activities in the San Diego area

being opposed by Midwest Television Inc., which is licensee of KFMB-TV there. One of the issues in dispute is degradation of KFMB-TV's signals by TransVideo Corp., Mission Cable TV Inc. and Pacific Video Cable Co.

"We repeat that the cable system is obligated to carry the local station without material degradation," the Commission said, "and that therefore the system operator must continue conscientiously and fully to take the necessary and appropriate steps; in the absence thereof other remedial action will be warranted."

## MEETING CALENDAR

### JANUARY

**5-7—Kaiser CATV Technical School, Seattle, Wash.** To attend contact Ben Forte, Kaiser CATV, Kaiser Center, 300 Lakeside Drive, Oakland, Calif., Phone (415) 271-4653.

**6-9—Jerrold Technical Training Cable Television Basic School, LeBarron Hotel, San Francisco, Calif.** For further information contact Jay Lerman, Jerrold Electronics Corp., 401 Walnut St., Philadelphia, Pa.

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

**13-14—Jerrold Technical Training Cable Television Seminar.** Manger's Motor Inn, Charlotte, N.C. For further information contact Jay Lerman, Jerrold Electronics Corp., 401 Walnut St., Philadelphia, Pa.

**16-17—Georgia Cable Television Association Annual Meeting.** Gordon Hotel, Albany, Ga.

**20-21—Jerrold Technical Training Cable Television Seminar,** Holiday Inn, New Stanton, Pa. For further information contact Jay Lerman, Jerrold Electronics Corp., 401 Walnut St., Philadelphia, Pa.

**26-28—Kaiser CATV Technical School, Los Angeles, Calif.** To attend contact Ray Kerbaugh, Kaiser CATV, 3708 S. Marine St., Santa Ana, Calif., Phone (714) 545-7419.



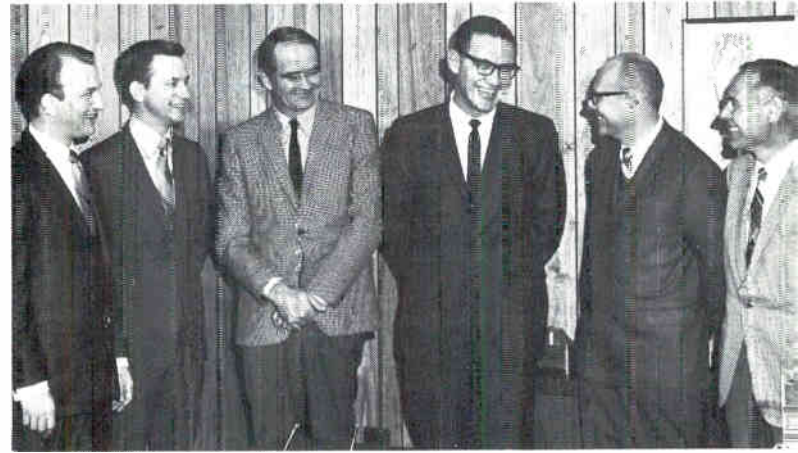
# Publishers Christen New Office

Communications Publishing Corporation recently entertained CATV operators, manufacturers, consultants and brokers along with a host of state and local governmental officials at the firm's open-house in its new Englewood, Colorado, offices.

Cutting the ribbon, Congressman Donald G. Brotzman congratulated publishers Stanley M. Searle and Patrick T. Pogue on their contributions to the CATV industry and expressed appreciation for their choice of Colorado as a new home. The ceremony took place after an informal reception attended by approximately 120 people. The event was held to welcome the cable television business leaders, local officials and members of the Denver community.

Brotzman, who is a representative for Colorado's Second District, flew in from Washington to be guest of honor at the official opening of the firm's new 8,000 sq. ft. headquarters. He is a member of the Congressional Communication Subcommittee of the U.S. House of Representatives Commerce Committee.

The Denver location was chosen, company officials said, mainly because it is the hub of national activities for many cable television firms.



Top left, CATV Magazine assistant editor, Chuck Bell, and Bill Brazeal, executive vice president of Tele-Communications, discuss pace of the CATV industry during recent months. Carroll Rice, partner in Peat, Marwick, Mitchell and Co.; B. Milton Bryan, vice president-publications of CPC; and Carl Williams (top left), cableman and Colorado State Senator, discuss the firm's move. Above, CPC president Robert A. Searle; Stanley M. Searle, publisher; Robert Clark, president Cablecom-General, Congressman Donald G. Brotzman; Thomas Moe, vice president of Silver King Companies; and William Ross, vice president, data transmission, Silver King Companies, prepare to adjourn for the ribbon cutting ceremony. At left, CPC publisher, Patrick T. Pogue, Brotzman and Stanley M. Searle relax after ribbon-cutting. Cutting the ribbon (below), Congressman Brotzman is accompanied by Robert A. Searle; Vernon Reece, vice president and manager of Colorado Business Development Corporation; Patrick T. Pogue; Alexander Kirkpatrick, Denver U.S. National Bank; and Stanley M. Searle. Below left, Denver-based CATV industry leaders join Congressman Brotzman during CPC reception. Pictured are Alan Harmon, Daniels & Associates; Brotzman; Patrick T. Pogue; Robert Magress, president of Tele-Communications, Inc.; and Glen R. Jones, president of Silver King Companies.





## On Capitol Hill

### Broadcast Comments on Cable Rulings Shadow STV at Subcommittee Pay-TV Hearing

*CATV Washington Bureau*—In many respects, broadcasters are the guardians of the status quo—as cable operators have often cheerfully admitted. A television station owner not only wants to protect his economic security from competitive threats, real and imagined, he genuinely regards his television station as an exemplary product of the free society in which it exists. Thus he has a public interest argument with which to reinforce his overcoming desire for economic protection: he says that free over-the-air television is necessary and the best possible means of carrying the electronic medium into every American home. Anything that threatens such a service, the argument goes, is, implicitly, un-American.

It is that line of thought that adds such a frantic note to broadcaster diatribes against pay television and cable television, and it accounts for the fact that last week's House Communications Subcommittee hearing on pay television often branched into CATV. For the FCC has proposed over-the-air pay television with a variety of restrictions which may or may not be intrinsically crippling. But the Commission recently adopted the First Report and Order encouraging virtually unlimited and unrestricted program origination and advertising by cable systems. With network-like interconnection also encouraged, and with the powerful Electronics Industries Association promoting a "wired nation" in which cable

carries virtually all communications functions and television stations become extinct or like the American buffalo—in existence but rare—broadcasters are naturally more worried about CATV than subscription television. As Solomon Sagall, president of Teleglobe Pay-TV System Inc., told the subcommittee last week: "The networks, while still going through the motions of opposing Pay-TV (they delegated the task to the NAB), have come to the realization that they have nothing to fear from STV."

#### 'CATV-Pay-TV'

But listen to the words of the experienced, hard-fighting executive director of the Association of Maximum Service Telecasters, Lester W. Lindow, as he addressed the subcommittee: "... my statement has dealt with CATV-Pay-TV operations as much as, if not more than, STV operations although I realize that this hearing results from a primary concern over STV and that STV may be more prominent in the minds of some members of Congress than CATV-Pay-TV operations. While MST certainly supports and urges legislation prohibiting STV, I am constrained to point out that STV is only part, and today the *lesser* part, of the Pay-TV threat facing the American public." Lindow said of NCTA president, Frederick W. Ford, that "the difference Mr. Ford and others see between Pay-TV and CATV escapes me. It is like saying that lions are not felines because, unlike tigers, lions do not have stripes."

#### 'Greater Protection'

And here is a succinct summary of the MST position: "Bad as they are, the STV rules represent substantially greater protection for the American public than the Commission's rules on CATV-Pay-TV operations. There are absolutely no limitations on siphoning by CATV-Pay-TV operations." And it is that attitude—the attitude not only that broadcasters may be economically hurt by CATV, but that the public will be deprived of its communications rights—that will increasingly come to the fore in broadcast arguments against cable. Those voices will be loud on Capitol Hill in the coming months.

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## Moving Up

*John J. McAuliffe* has been named assistant controller of TeleVision Communications Corporation. He will be involved in all corporate financial matters of the firm. A graduate of St. Johns University with a major in accounting, and five years experience with Haskins & Sells, McAuliffe was most recently assistant manager, financial accounting, for Paramount Pictures.

*Herman F. Krapf*, vice president of Diamond Power Specialty Corporation, a subsidiary of Babcock & Wilcox, has been named vice president, electronics operations. He will be general manager of the company's expanded communications equipment facilities, including cameras and recorders for the closed circuit television market. Krapf joined the firm in 1953 as a sales engineer in the Chicago office and has held senior management posts in sales and engineering. He continues to head certain marketing functions of the company, reporting directly to the president. The firm also named *Philip Beltz* to manager, marketing services, for electronic operations. Beltz joins Diamond Power from North American Rockwell Corporation where he held research, engineering and economic forecasting positions.

*Leonard G. Cohen* has joined TelePrompTer Manhattan Cable TV as chief engineer. He comes from Harold Mayer Productions, Inc., New York City, where he was production manager. Prior to his two years with Mayer, Cohen held various engineering and production posts with International Telemeter Corporation, West Los Angeles, California, moving up to technical assistant to the company's president. During this period, from 1953 to 1967, his production credits as associate producer included telecasts of Toronto Maple Leaf hockey; "Second City Review"; and such dramatic shows as "The Consul" and "Hedda Gabbler."

*William L. "Bill" Ross* has been named vice president of Data Transmission, Inc., a satellite company of The Jones Group, Inc., of Englewood, Colorado, which is the management control company for Silver King Companies, CATV system operators. Ross has been vice president, engineering, for Daniels & Associates, Denver, since 1964. He started in the CATV industry in 1958 being associated with the Carter Mountain (Wyoming) Transmission Corporation.

*John C. Melton* has been named manager of Fuqua National Inc.'s CATV system in Augusta, Georgia. Prior to his new position, Melton was advertising manager of the First National Bank of Augusta. A graduate of the University of Georgia, he has attended the American Institute of Banking, the Graduate School of Augusta College and is a graduate of the Jerrold CATV School.

*Graham L. Sisson* has been appointed to national sales manager of JFD Electronics Corp.'s systems division. He will be responsible for sales of the entire line of the firm's equipment.

CATV—December 15, 1969

### LOCAL PROGRAM ORIGINATION

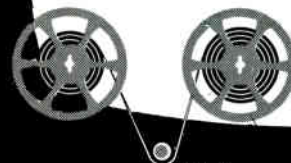
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## Franchise Activity

**CALIFORNIA:** New Smyrna Beach: The city council is presently accepting franchise bids. . . . **Oakley:** The East County board of supervisors has tentatively agreed to grant a franchise to Tele-Vue Systems.

**ILLINOIS:** Havana: Illinois Valley Broadcasting Co., has submitted its franchise bid to the city council. . . . **Moline:** Quad Cities Cablevision, Inc. has submitted its franchise bid to the city council. The firm is proposing a 12 video channel system with a franchise fee of 5% of its gross income.

**KANSAS:** Smith Center: Charles R. Howard and Paul D. Coker have been granted a franchise to serve this community.

**KENTUCKY:** Louisville: The city council has passed an enabling ordinance calling for a franchise fee of 7½ percent of the gross receipts.

**LOUISIANA:** Delhi: Delhi Cablevision, a subsidiary of Apollo Cablevision Corp. of Dallas, Texas, has submitted its franchise bid to the town council. The firm is proposing a 6 video channel system, including a 24 hour weather service channel.

**NEW YORK:** Lewiston: STV Rental, Inc. has submitted its franchise bid to the village trustees. The firm is offering a franchise fee of 5% of the gross profit with a \$1,000 yearly minimum. . . . **Marlboro:** Hightower Tele-Systems,

Inc., a subsidiary of TelePrompTer, Inc. has submitted its franchise bid to the town board. . . . **Vernon:** KWR Systems, Inc. has submitted its franchise bid to the town board.

**NORTH CAROLINA:** Wilson: Burnup and Sims, Inc. has submitted its franchise bid to the city council. Five other franchise bids have already been received by the council.

**PENNSYLVANIA:** Baldwin: The borough council has granted a franchise to Tex-Video. Monthly subscriber rates for the system have been set at \$4. . . . **Whitehall Borough:** The borough council has awarded a 15-year, non-exclusive franchise to Center Video Co. Monthly subscriber rates for the service have been set at \$5.

**VIRGINIA:** Elkton and Shenandoah: Luray Transvideo Co. has submitted its franchise bid with these two communities. The firm is proposing a 12 video channel system with a monthly subscriber rate of approximately \$5.

**CRTC LICENSES: (All for two years)** **Quebec:** Roland Hamel for Malartic. . . . **Maniwaki Television Ltee** for Maniwaki. . . . **North Hatley Transvision, Inc.** for North Hatley. . . . **Gagnon TV Ltee** for Notre-Dame-De-La-Doree. . . . **Border Community TV, Inc.** for Rock Island. . . . **Paul Television Service Ltee** for Rouyn-Noranda.

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## System Construction

**ALABAMA:** Alabama TV Cable has announced that its system will be operational in **Fairfield, Homewood, Hueytown, Midfield and Pleasant Grove** in the near future. The firm's 21-channel capacity system will offer subscribers 10 video channels. According to a representative of the firm, within two to three months, service will be available to residents in **Center Point, Fultondale, Irondale and Tanant**.

**CALIFORNIA:** Columbia Cable has announced that construction has been completed on its system which serves **El Centro Naval Air Base**. The twelve video channel system, which is presently serving 200 of the 250 homes and barracks which it passes, is fed from Columbia's El Centro operation. Seven of the channels offered are Los Angeles stations.

**GEORGIA:** Southeastern Transmission Corp. Cable TV has announced that it will hook-up all **Metter** schools and provide free service. The system will also serve **Pembroke**.

**INDIANA:** First Television Co. of Rensselaer has announced that Jan. 15, 1970, is the scheduled completion date for the construction of its system to serve **Delphi**. The firm has located a site for its 499-foot tower. Rates for the system have been set at \$5 installation; \$4.90 monthly.

**NEVADA:** Final agreements have been signed with **Alpine Meadows and Forest Service** for construction of a 3-hop, 5-channel microwave to serve **H&B's Community Antenna**. According to general manager **Bob Williams**, the company-owned microwave system will improve reception to the entire **Reno-Sparks** area. Local contractor **Harker and Harker** has completed tower installation at **Slide Mountain** and construction of what will be the intermediate station of three hops has begun at **Ward Peak**. The origination point, said **Williams**, will be the antenna site on **Bald Mountain** near **Georgetown, California**.

**OREGON:** Columbia Cable Systems, Inc. has announced the completion of its twenty-seven mile system in **Hermiston**. The microwave-fed system serves 500 homes of the 1700 homes which it passes.

**PENNSYLVANIA:** Steel Valley Cablevision has announced that construction of the tower to serve its 10 video channel system in **Carnegie, Crafton and Ingram** is nearing completion. The firm also announced that plant is presently being installed in the **Crafton** area. The firm is planning to carry two local origination programming channels.

**Susquehanna Valley Television Corp.** has announced a \$1 monthly rate hike for its system which serves **Lock Haven**. The 11 video channel system will now charge \$4.50 monthly. The firm cited increased costs and recently expanded services as the reasons for the increase.

**TEXAS:** Orange Cable TV, Inc., a subsidiary of **Athena Communications Corp.**, has announced plans to replace 27.7 miles of trunk cable in **Orange**. The project is expected to cost approximately \$100,000 and will be installed in the same location as the present underground cable.

**St. Augustine Cable TV Corp.** has announced that construction is presently under way in **St. Augustine**. Rates for the 6 video channel system have been set at \$19.95 installation; \$5.95 monthly. The firm's tower site has already been acquired. Three of the channels will be **Shreveport** stations, one will be from **Beaumont**, one from **Lufkin** and one will offer local origination programming.

**VIRGINIA:** TeleCable Corp. has announced that construction is presently under way on its system to serve **Wytheville**. The firm is planning an 8 video channel system.

**ONTARIO:** Grand River Cable TV has announced that construction is presently under way in the **Kitchener-Waterloo** area. **Noram Cable Construction, Ltd.** is constructing the system for the firm.

**Georgetown Cable TV** has recently set up a studio to provide local origination programming to **Georgetown** subscribers. The firm now provides local news, weather and sports on a nightly basis.

**Terra Communications, Ltd.** a subsidiary of **IWC Electronics, Ltd.**, has initiated local programming on its system which serves **Clarkson**. In addition to featuring guests from the area, the system covers and announces news of particular interest to residents of the area.

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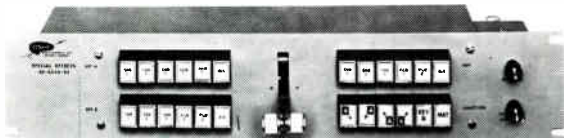


# Product Progress

## NEW SILICON MOSAIC VIDICON

The development of a new silicon mosaic vidicon has been announced by the Electro-Optical Devices Division of Ampere Electronic Corporation. Research and development of the tube has been carried out by Philips Laboratories, Slatersville, Rhode Island 02876. The photo-sensitive target element in the new tube is in the form of an array of silicon P-N junction diode elements. These elements of micron size are diffused into the surface of a one-inch diameter single-crystal silicon wafer. The tube is said to feature high sensitivity over a wide spectral operating range, extending out to about 1 micron in wavelength in the near infrared; low lag; fast response and rugged construction. It is specified not to exhibit image burn-in nor is it damaged by exposure to high light intensities.

## SPECIAL EFFECTS GENERATOR



Dynair Electronics, Inc., 6360 Federal Blvd., San Diego, California 92114, has added a new special effects generator/switcher to its line of television equipment. The SE-6X3-RS is a completely solid-state unit designed to complement the firm's VS-121B-RS switcher-fader or similar units of other manufacturers, providing all of the basic effects necessary for studio programming. The unit is said to produce a single electronically combined signal from any two of six input sources, with capabilities for inserts from each of four corners, internal and external key, full horizontal and vertical wipes, and matting. Signal selection in the unit is accomplished by mechanical pushbuttons which activate solid-state crosspoints performing the video switching. The control panel is connected to a remote electronics unit with a 50-conductor DC control cable. The manufacturer says distance between the two units can be as great as 150 feet. The control panel chassis is three inches deep, allowing for installation into low, shallow console arms.

## NON-INTERRUPTING SWEEP

Jerrold Electronics Corporation, 401 Walnut St., Philadelphia, Pennsylvania 19105, is featuring what is said to be a revolutionary new system which, for the first time, permits sweeping a CATV system without interrupting service to subscribers. Comprising a Simultaneous Sweep Transmitter located at a cable television system's head-end and a Simultaneous Sweep Receiver located in a service truck, the new sweep system (the Sweep-Saver) is designed to perform its

function in only two milliseconds, causing no noticeable interference at the subscriber's set. This is said to eliminate the necessity of sweep testing late at night to minimize subscriber service interruption. The Model SST Simultaneous Sweep Transmitter includes a Model SS-300 Sweep System and a Model SD-7F Sweep Driver. The SST inserts the sweep into the system at intervals determined by the setting of the sweep driver. The duration of the sweep (two milliseconds) also is controlled by the sweep driver. The Model SSR Simultaneous Sweep Receiver consists of an rf attenuator (62.5 dB attenuation), a 45-dB post-amplifier and a special detector/slope-trigger circuit.

## SURGE VOLTAGE PROTECTOR

A new, miniature gas-filled surge voltage protector for latest type CATV systems with operating voltage of 60 V AC has been developed by Siemens American, Inc., 350 Fifth Ave., New York, New York 10001. In addition to being designed for such higher voltage systems, the new unit, called SVP type B1-C145, offers all the features of other Siemens SVP protectors including fast response. Its compact size (0.38" in diameter and 0.272" long) lends itself to the trend to miniaturization in CATV components.

## FREE \*IQ TEST

**QUESTION:** When it comes to upgrading your CATV \*IQ, why is the National Cable Television Institute at the head of the class, among all the schools in the U.S.?

**ANSWER:** NCTI is the **ONLY** independent correspondence school devoted **EXCLUSIVELY** to training your technical personnel in **ALL** phases of cable television & **ONLY** cable television!

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Go ahead & send me facts about how my men can get ahead with the NCTI courses I have checked below:

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# Digest of Earnings

## GULF + WESTERN INDUSTRIES

Quarter Oct 31:	1969	1968
Share earns	\$ .70	\$ .55
Sales	389,849,000	366,577,000
Income	15,729,000	12,902,000
Spec Cred	134,000	11,791,000
Net income	15,863,000	24,693,000

The earnings per share amounts are based on the average common and common equivalent shares outstanding during the respective quarters which assumes conversion of G + W's \$1.75 Series A and \$3.50 Series B convertible preferred stock. The 1968 figures have been restated to include the operations of businesses subsequently acquired in transactions accounted for as poolings of interest and for year-end adjustments.

RCA directors have declared a quarterly dividend of \$.25 per share on the firm's common stock, payable February 2, 1970, to holders of record December 15, 1969. The directors also declared dividends of \$.88 per share on the \$3.50 cumulative first preferred stock and \$1 per share on the \$4 cumulative convertible series first preferred stock, both for the period from January 1, 1970 to March 31, 1970, and both payable April 1, 1970 to holders of record March 13, 1970.

## Industry Stocks

Stock	Stock Exchange	This Week	Last Week	Year High	Year Low	Shares Outstanding
Amecco	AM	13 1/8	11 3/8	16	7 1/2	1,200,000
Amer. Elec. Labs	OTC	6 3/4	6 3/4	16 1/4	5 5/8	1,516,432
Amer. TV & Comm.		18 1/4	18	19 1/2	11 7/8	1,775,101
Avnet		11 7/8	12	36 1/2	11 7/8	9,909,054
Cable Info. Systems	OTC	2 7/8	2 7/8	4 5/8	2 1/2	995,000
Cablecom General	AM	25 1/2	17 5/8	25 1/2	8 3/8	1,605,000
Citizens Fin. Corp.	AM	13 1/2	13 3/4	28 3/4	13 1/8	994,689
Columbia Cable	OTC	12 1/4	13 1/2	14 1/2	9	876,000
Comm Properties	OTC	7 1/4	8	10	4 1/2	644,621
Cornelia Corp.	OTC	7/8	7/8	6 1/4	7/8	
Cox Cable Comm.	OTC	23 1/4	19 1/2	24 3/4	13	3,550,000
Cypress Comm.	OTC	14	11	19 1/2	10	839,000
Entron	OTC	2 7/8	4 1/2	11 1/4	3 1/8	600,900
Famous Players Ltd.	C	12 3/8	13 3/4	19 1/4	12 3/8	6,948,000
General Inst.	NY	30 1/8	32	50 1/4	27 5/8	6,026,000
Gulf + Western	NY	18 3/4	19 3/4	52 3/4	18 3/4	15,120,860
H&B American	AM	27 1/4	24 3/4	27 3/8	13 5/8	4,972,589
Kaufman & Broad, Inc.		50	49 1/2	50	29 1/2	3,900,909
Lamb Comm., Inc.	OTC	6 1/4	6	10 1/2	3 1/4	2,468,284
LVO Corp.	NY	8 1/2	8 7/8	13 1/4	7 3/4	5,692,078
Macleam-Hunter	C	17 1/2	17 1/4	18 7/8	13	2,000,000
Reeves	AM	13 3/8	16 1/4	36	12 7/8	2,163,000
Scientific-Atlanta	AM	6 3/4	7 3/4	17 7/8	6 1/2	903,442
SKL	OTC	5	4 3/4	8 1/4	3 1/2	550,000
Sterling Comm.	OTC	6 1/4	6	12 1/2	5 1/4	
TeleMation Inc.	OTC	25 1/2	24 1/2	30 1/2	14 1/2	1,086,735
TelePrompTer	AM	110	95	110	42 1/8	1,006,000
TeleVision Comm.	OTC	17	15 1/4	21	10 3/4	2,645,046
Vikoa	AM	30 3/8	32 1/8	32 1/2	21 5/8	2,183,382

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

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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.

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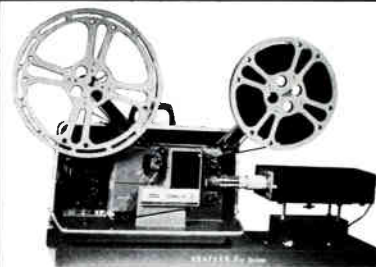
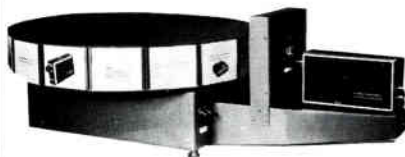


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Economy and variety in one model of local origination equipment . . . that best describes the all-new Tyler Service Scanner. With this 16-position revolving drum public service and promotion programming is easy to accomplish. Subscribers enjoy it,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

**SERVICE SCANNER**



**GRAFLEX FILM CHAIN**

The Graflex 16mm projector with the AFCC 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!

## CATV Origination Package Offered by Visual Dynamics

Visual Dynamics has announced a new CATV service designed to "meet the anticipated expansion of local program origination." The service is specified to implement a complete cablecasting studio and/or remote facility for local program origination.

The service will include surveying, planning and installing studio equipment by the firm's engineering staff. The firm then conducts on-site workshops for training in the operation and maintenance of the equipment and the program production.

This turnkey local-origination service encompasses a number of equipment packages applicable to the number of subscribers and the size of the CATV system. Low cost packages for small

systems include a basic facility and a fundamental training course. More elaborate packages for sophisticated systems include a complete color facility and extensive training courses.

The turnkey local-origination service is divided into three operations: studio planning; operation and maintenance of equipment; and production skills.

Studio planning consists of consulting with the CATV operator to determine the type of new studio facility or what additional modified equipment would be best suited to the particular system. The firm selects approved equipment from one or more of the major manufacturers thereby providing a studio and remote facility custom designed to meet the specific needs of the CATV system, arranges for purchase and delivery of all equipment and handles installation of the equipment at the system.

Operation and maintenance consists of an on-site workshop for the personnel who will be responsible for operating and maintaining the cablecasting equipment. The instruction is aimed at teaching the CATV staff operation, production and maintenance techniques.

Production skills is a continuation of the on-site workshop where the personnel are then taught the basic principles of effectively planning, designing and producing cablecasting programs oriented to the needs and interests of the local community. The course also includes application of supporting visual aids, music and sound effects.

For CATV systems already originating local programming, the firm offers consultation regarding adding equipment to an existing studio or enlarging a studio. Visual Dynamics also offers originating systems on-site workshops where its staff teaches CATV personnel how to design and produce effective cablecasting programs as well as how to efficiently maintain origination equipment.

## NCTA Chairman Cautious About Copyright

*M. William Adler, NCTA national chairman, made the following formal statement in response to last week's introduction of copyright legislation.*

"We view the introduction of copyright legislation with mixed emotions. At the outset it is important to remember that the CATV industry is under no current obligation to pay copyright royalties. Approximately 1½ years have passed since the Supreme Court's Fortnightly Decision affirming our industry's assertion that CATV merely assisted television viewers in obtaining more and better TV service and was therefore not liable for copyright infringements.

"Despite the Fortnightly Decision our industry continued to declare to Senator McClellan and to all parties to the copyright question our willingness to be reasonable and despite differences of industry opinion on the requirement that all systems pay copyright, we have constantly sought a solution to this problem which would constitute a workable means of meeting the ever-increasing demand for our service.

"The specific proposals contained

in the complex omnibus copyright bill are now being reviewed and analyzed by our attorney. A cursory reading of the bill reveals, however, that while some new markets are apparently opposed to potential CATV development, a great many restrictions are placed on the amount of service CATV can provide and on the areas in which our services can be provided..

"Copyright legislation has been under consideration for well over a decade, and it has been 60 years since the passage of the 1909 act. Therefore, we will, as should all affected parties, carefully consider the long-term consequences of this legislation."

"We have—since our early involvement in copyright matters—constantly maintained that the CATV industry would support fair legislation provided that it does not unduly restrict our ability to meet the public's demands for cable service throughout the United States.

"It is our hope that this copyright legislation, which is a culmination of countless hours expended by hundreds of dedicated people, will meet this public interest standard."

## Outgoing NCTA President Joins Washington Law Firm

Outgoing NCTA president Frederick W. Ford at the start of the new year will become a senior partner in the Washington law firm of Pittman, Lovett, Hennesey and White—which will become Pittman, Lovett, Ford, Hennesey and White.

Ford resigned effective at the end of this year, and at the time of his resignation several months ago indicated that he would enter private law practice. His successor, educational broadcaster Donald V. Taverner, has already been named.

## Hearing Provides Woes For Michigan System

An FCC hearing examiner in an initial decision last week recommended that a Petoskey, Michigan, CATV system be ordered to cease and desist from failure to give program exclusivity protection to WTOM-TV in Cheboygan, Michigan. The decision can be appealed to the FCC.

## Copyright Bill

(Continued from page 7)

Lovett noted that the three plus three plus one stipulation should be applied across the board. And, he noted, the imposition of any copyright payment at all is naturally distasteful to any businessman who has grown accustomed to making no copyright payment whatsoever.

Although the bill as indicated above was recommended by McClellan and adopted by the subcommittee, Sen. Philip Hart (D-Mich.), a member of the subcommittee who is also chairman of the Antitrust Subcommittee, reserved the right to recommend to the full Judiciary Committee that it embody in legislation the position of the Justice Department. JD has recommended that CATV systems be allowed to import as many distant signals as they desire, though local television stations could make complaints to the FCC on the basis of economic impact if they were able to demonstrate that they were being driven off the air.

Another Senator reserved the right to offer an amendment that would make the FCC's program origination First Report and Order non-mandatory. The Commission said that all CATV systems with more than 3,500 subscribers have to originate.

An innovation of the subcommittee's bill is the establishment of a copyright royalty tribunal, which would negotiate disputes over copyright payments and would be empowered to alter copyright payment rates without separate legislation, though the rate alteration recommendations would be susceptible to veto by either House of the Congress.

## NCTA Cable-TV Center Slates January Seminar

The National Cable Television Center at Pennsylvania State University, University Park, Pennsylvania, is holding a seminar on supervisory development for CATV supervisory personnel.

The meeting will run Jan. 26-30, 1970, and will cost \$145 per person, with food and lodging estimated at about \$18 per day extra.

"The overall objective of the seminar," according to the Center, which

was established by a grant from NCTA, "is to develop knowledge, understanding and skill in supervision which should result in greater and more efficient productivity to make managers on any level increasingly aware of their added responsibilities; to give them new and broader insights into the motives of people at work; and especially to recognize the importance of effective communication for the manager. With this workshop experience, management personnel should be better prepared to supervise subordinates, to develop employee initiative, to stimulate greater pride in workmanship and to improve overall morale."

## FCC Issues License Despite Media Squabble

A squabble over CATV facilities in Colorado has led the FCC to turn down a request to reconsider renewal of licenses for radio stations in Washington, D.C.

The Commission last week told Pikes Peak Broadcasting Co., licensee of KRDO-TV in Colorado Springs, that it would not reconsider its renewal of RKO General Inc.'s licenses for WGMS Radio in suburban Bethesda, Maryland, and WGMS-FM in Washington. Pikes Peak on Oct. 20 had asked that the RKO stations be reconsidered, though the licenses were renewed Sept. 30. The Broadcast Bureau both granted the renewals under delegated authority and refused the reconsideration request.

The squabble over WGMS-AM-FM has its origins back in KRDO-TV's home territory, however, where Pikes Peak is in a dispute with Vumore Video, which is 51 percent owned by Cablecom General Inc., which in turn is controlled by RKO General. Here's how the FCC summed up the situation resulting in the unsuccessful move by Pikes Peak to block renewal for the RKO radio outlets: "The Commission authorized Vumore to carry the programming of Denver network-affiliated stations to its CATV subscribers in Colorado Springs and denied a petition for relief filed by Pikes Peak. Vumore has proposed to expand its CATV service to the outlying areas of Colorado Springs, and the Commission now has under considera-

tion Pikes Peak's request that a hearing be held on the proposal.

## Wasilewski Signs Renewal Of NAB Two-Year Contract

The Executive Committee of the National Association of Broadcasters last week offered a new two-year contract to NAB president Vincent T. Wasilewski, and he accepted. The full NAB board must ratify the contract.

"In recent weeks," NAB executive committee chairman Willard E. Walbridge said, "there has been some public speculation that Mr. Wasilewski might seek to terminate his association with NAB. This has created some confusion and uncertainty among our membership at a time when we are beset by many problems that require our full unity, strength and attention."

The reference obviously was to trade press stories mentioning the departure of Wasilewski for the less hectic and perhaps more lucrative employment of a private law practice. Broadcasting Magazine, an influential radio-TV publication, in an editorial last week not only had Wasilewski resigning, but was speculating on his successor. "With this action," Walbridge said, "the executive committee puts an end to such speculation, firmly and gratefully endorses the record of splendid leadership that Mr. Wasilewski has given us, and urges the industry to unite behind the NAB as it seeks solutions to broadcasting's problems."

## New Hampshire System Wins Boston Signal

A New Hampshire CATV system last week won a hard-fought battle as the FCC gave it permission to import a Boston television signal under certain conditions.

New England Video, operator of a 12-channel cable system in Keene, Marlboro and North Swanzey, won permission to carry the signal of WKBG-TV in Boston during time periods when WXPO-TV in Manchester, New Hampshire, is not providing programming. A further FCC condition is that WMUR-TV in Manchester must be afforded

program exclusivity.

Springfield Television Broadcasting Corp., licensee of WRLP in Greenfield, Massachusetts, opposed the authorization, but was turned down by the FCC.

## NCTA Cautions Operators On New Legislative Year

NCTA's "Legislative Letter" to members last week noted that 34 state

legislatures begin 1970 sessions after the turn of the year and urged state CATV organizations to prepare now to keep a watchful eye on potential CATV activity at the state level.

"Massachusetts has already had a bill affecting CATV pre-filed in its state legislature," NCTA pointed out. "It is more than just possible that some legislation affecting CATV will be introduced in California, Colorado, Delaware, Florida, Hawaii, Georgia, Idaho,

Kansas, Maryland, New Jersey, New York, Oklahoma, Pennsylvania and Vermont, as well. Of course, some of these states will have carry-over legislation, and no state is free from the introduction of what may be restrictive legislation."

NCTA asked that its legal department be kept informed of all developments and warned: "Now is the time for all of us to prepare for what may come in 1970."

## Classified Advertising

Rate for classifieds is 25 cents per word for advertising obviously of a non-commercial nature. Add \$1.00 for Box Number and reply service, per issue. Advance payment is required; minimum order is \$10.00. Deadline for all classifieds is two weeks before publication.

### EUROPE

#### TV CABLE INSTALLATION

Established firm in Europe in the business of TV cable installation seeks technical and financial partnership. Reply to CATV Weekly, Dept. W119-1.

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Television Communications Corp. has immediate openings for: strand mappers, layout men, linemen, amplifier technicians, chief technicians and crew liaison for Akron, Ohio.

Top wages and salaries with exceptional hospitalization, vacation and retirement benefits. Advancement limited only by ability.

Send resume to:  
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All replies held in strictest confidence.

### NORTHWEST MSO

New Pacific Northwest MSO possessing 4 franchises with 10,000 subscriber potential requires expansion capital. First portion of plant operating. Substantial construction started. Write CATV Weekly, Dept. W-129-2. Telephone: 206-631-4255.

### TECHNICAL DIRECTOR

Wanted by MSO headquartered in New York. Experience required in all phases of system design, maintenance, and operation.

Requires ability to organize and direct the activities of others and administer technical phases of system operations along corporate guidelines.

This is a corporate staff position which calls for working from office in New York City and considerable travel. Liberal company benefits apply, and salary is commensurate with job requirements and individual experience and ability.

An excellent opportunity for a technically competent, experienced CATV engineer with administrative ability.

Reply to CATV Weekly, Dept. W129-1.

### SYSTEM MANAGER FOR LONG ISLAND

Experienced manager wanted by large MSO for large Long Island system. Require strong administrative background. Self-starter. Salary open. Send resume and brief letter to CATV Weekly, Dept. W109-4. All replies held in confidence.

## REPRINTS

... of articles and advertisements can be an effective method of promoting your services and products.

Write to: CATV Weekly  
1900 W. Yale, Englewood, Colo. 80110.

### DESIGN AND PRODUCTION ENGINEER

CATV RF connector manufacturer needs aggressive engineer who can handle production and testing of new CATV-RF products. AVA Electronics/Machine Corp., 416 Long Lane, Upper Darby, Pa.

### CHIEF TECHNICIAN

New system under construction in medium sized southern Alabama resort town needs chief technician to supervise construction and work into manager's position. Excellent growth opportunity for aggressive young man, including eventual ownership interest. Reply to CATV Weekly, Dept. W109-3.

### 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.

For more information call collect (602) 943-3431 or mail your inquiry to:

## KAISER CATV

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## profile of a leader



### GLENN ROBERT JONES

*Born in Jackson Center, Pennsylvania, March 2, 1930. He received a bachelor's degree from Allegheny College in Meadville, Pennsylvania, and a Doctorate in Jurisprudence from the University of Colorado. During the Korean conflict, from June, 1952 through August, 1956, he served with the U. S. Navy as Explosive Ordnance Disposal Officer, disarming bombs under water. He has been involved in the cable television industry since 1960. During the past nine years has been associated in some capacity with more than forty cable system operations. He is married, and he and his wife Dee have three youngsters.*

Glenn Robert Jones headquarters in Denver, Colorado; but his cable television interests—and influence—extend across the nation. His CATV business may seem inordinately tame compared to what he was doing fifteen years ago—disarming explosives underwater for the U. S. Navy. But he finds his activities these days quite challenging enough . . . and considerably safer.

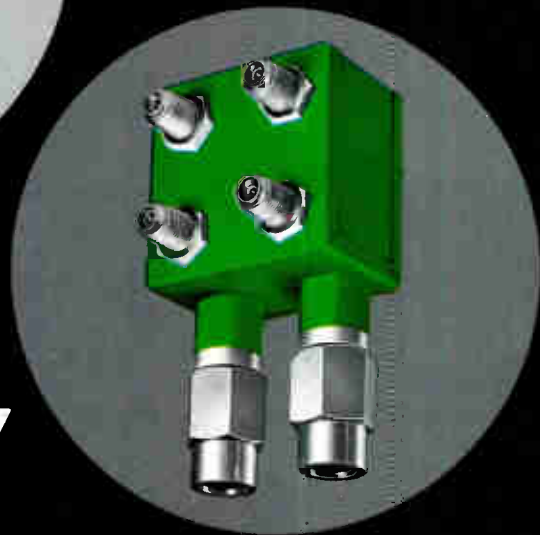
Glenn's two degrees, an undergraduate degree in Economics and a Doctorate in Jurisprudence, reflect his wide range of interests. But since 1960, he has concentrated primarily on cable television. Besides his own operations, he has acted as advisor, consultant and representative of numerous cable operations . . . in fact, over the past years he has represented more than forty CATV systems in one capacity or another.

Understandably, many of Glenn's cable interests are in his present home state. The executive offices of Silver King Companies, of which he is president, are in Denver; and he is also a stockholder and either a consultant or officer of Mountain States Video, Inc.; Fort Collins Video, Inc.; Longmont Video, Inc.; Greeley Video, Inc; and Loveland Video, Inc. These last five corporations represent a joint venture between Cablecom-General, Bill Daniels, and various local shareholders.

In addition to his Colorado CATV interests, Glenn has been associated with systems in Pennsylvania, Oklahoma, California, Florida, Iowa, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New York, New Mexico, Texas, Oregon and Vermont.

Glenn is a "natural" in cable television—his combination of shrewd business sense in general and particular knowledgeability in finance, as applied to CATV, make him a particularly astute advisor. Besides his actual system operations, he is actively interested in the investment community and its relationship with the industry. And Glenn also holds a position with the Daniels Educational Network.

Service—both public and within the industry—is a key part of his success. He has promoted the cause of CATV in speeches before the Colorado Librarians Association and with more than 200 local governmental bodies. He was also called as an expert witness before the Public Utilities Commission. He is a Director of the Colorado Cable Television Association and the Rocky Mountain Cable Television Association, and a member of the board of the Political Action Committee for Cable Television.



# the rainbow line



## Introducing the 1600 series rainbow line

### Featuring:

- Color-coded for ease of tap-value identification
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cial TV Channels, one Education tions. Do all this and maintain fiers on the trunkline. Results

# Ninety Vikoa Futura 12 Amplifiers In Cascade Make Skyline The World's Longest Cascaded System

Hoboken, New Jersey . . . Most System Operators would consider the challenge of a ninety-amplifier cascade as beyond the realm of the normal system. The operators of Skyline Cablevision Limited, however, examining all sides of the problem, decided to take this direct approach. After carefully surveying the market, they determined that Vikoa's line of Futura 12 amplifiers came the closest to the ideal specifications required to actually accomplish such a fantastic transmission problem.

Skyline Cablevision Limited, M. A. Medford, General Manager and M. Olfman, Technical Manager, working with Vikoa of Canada, Limited President Sam Salvin I.E.E.E.; built a thirty-mile trunk line using VIKOA Futura 12 Amplifiers, cascading at least ninety amplifiers on the trunkline. Results are; beautiful reception, excellent subscriber acceptance, minimum maintenance.

Originally, the plan of attack, as outlined by M. Olfman, of Skyline Cablevision Ltd., was to build a thirty mile trunkline, cascade ninety Vikoa Futura 12 Channel broadband transistor amplifiers, carry eight Commercial TV Channels, one Education TV Channel and eight FM Stations. Do all this and maintain stable signals in a climate that varies from 25° below 0° to 90° above 0° Fahrenheit. "We have succeeded," stated Mr. Olfman, "and have attained 50% subscriber potential or 26,000 hook-ups within 2 years of proven performance. Our standards of good quality pictures, both at head-end and the end of trunkline has indeed been achieved and Futura Amplifiers are, of course, the reason."

To add to this story of difficulty, coupled with their complex



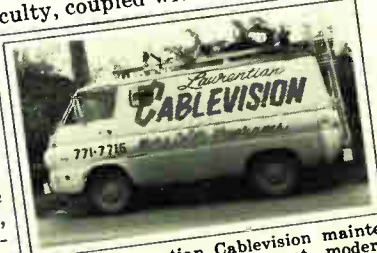
(Left to right) Samuel Salvin, I.E.E.E., President, Vikoa of Canada Limited, Mr. Austin Medford, General Manager, Skyline Cablevision Limited; M. Olfman, Technical Manager, Skyline Cablevision Limited, discussing plans for an additional thirty miles of trunkline.

requirements, Skyline maintains a head-end which also services Laurentian Cablevision Limited. Laurentian Cablevision Limited, is managed by Robert Beaudet, and is under the capable technical supervision of John Steele. The system boasts 9,000 subscribers.

Sam Salvin referred to Skyline Cablevision Limited and Laurentian Cablevision Limited as "Vikoa's Tandem Talent Show" since it has proven to be extremely reliable, evidenced relatively low maintenance, has excellent action uncommon to a ninety cascaded amplifier trunk-

line. The total area of influence at present is 450 miles, servicing 35,000 subscribers out of a potential 72,000. The city of Ottawa, Ontario; Hull, Quebec and Aylmer, Quebec are serviced by a total of seventeen technical employees. Connections and disconnections are made by a subcontractor.

In addition to Vikoa Futura Amplifiers, Vikoa Line Extenders, Dual Pilot Carrier Generators, Power Supplies, Taps, etc., and Hardware are used in the two systems.



Modern Laurentian Cablevision maintenance equipment complement modern electronic equipment for speedy customer service day or night.

are; beautiful reception, excel-

**vikoa**, INC.  
technically, the One