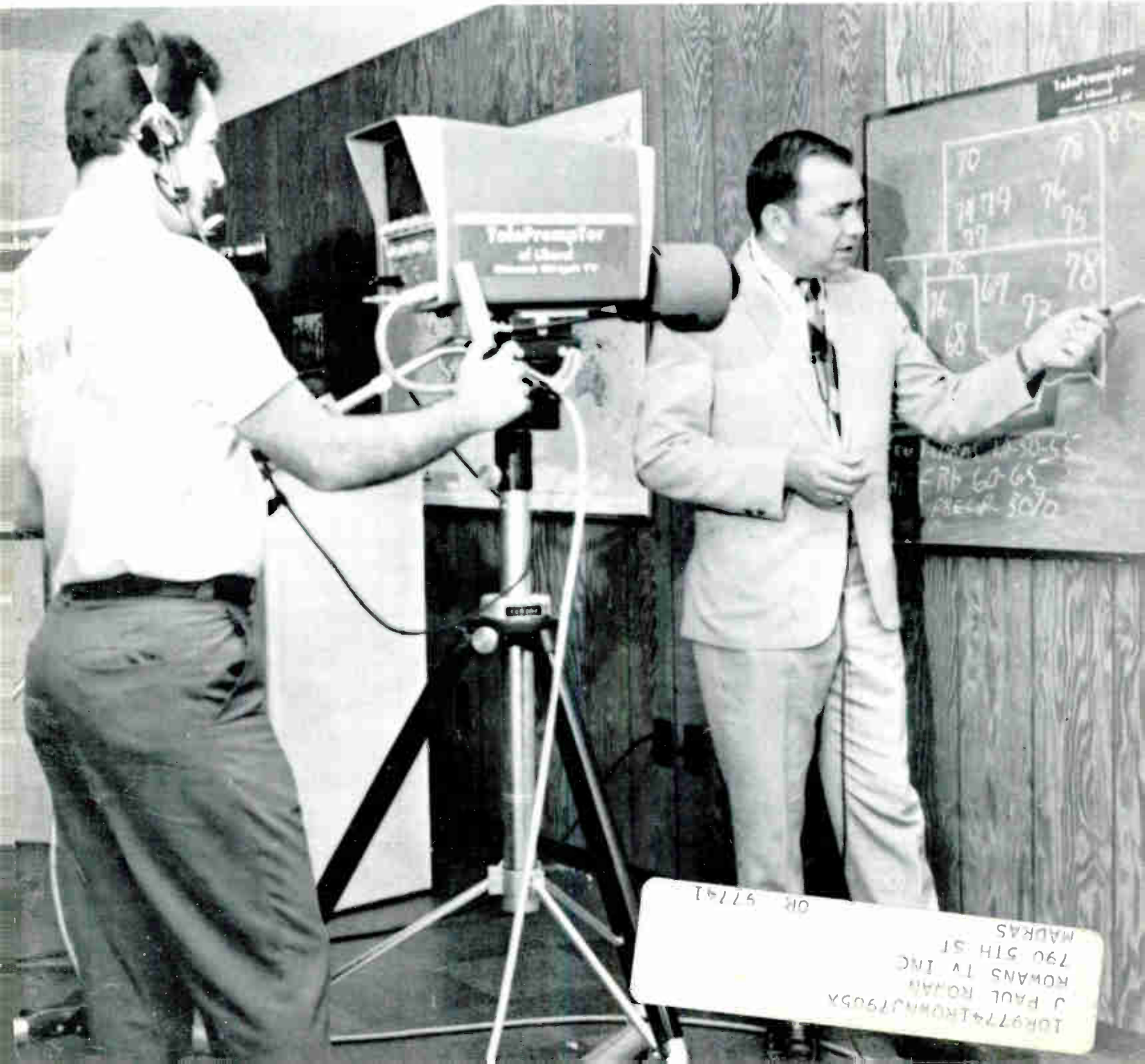


CATV

Authoritative Newsweekly of Cable Television



Now ready for immediate head-end improvement



The Solid-State Channel Commander II™

The same truck that delivers new Channel Commander II units for your head-end also brings reliability, convenience, and subscriber-pleasing performance never before obtainable. Reliability because all circuits are solid-state versions of Jerrold's proved designs. Convenience because modular construction insures simple maintenance.

Each Channel Commander II can be supplied to process and control any single VHF input channel, and deliver it on any standard or special VHF channel. Closed AGC loops to input and output insure that video and sound output levels are strictly controlled for superb picture/sound quality at the output of the head-end.

Other features of note :

- Spurious beats are at least 60 dB down

- Fast-acting IF AGC is keyed to horizontal sync reference
 - Crystal-controlled input and output oscillators. If both on same channel, one crystal controls both to prevent co-channel interference generation
 - Override facility provided through rear-panel terminals
 - Modular construction, including self-contained completely regulated power supply
 - Takes 5¼" of vertical space in standard 19" rack
- Summing up, Commander II's are compact, reliable, easy to maintain . . . the last word in excellence of operation. Be among the first to find out how right we are. Get your order in now for immediate delivery. Call or write today to the regional office nearest you.

JERROLD

a GENERAL INSTRUMENT company

FIRST IN CATV

EASTERN OFFICE
401 Walnut St.
Phila., Pa. 19105
(215) 925-9870
TWX 710-670-0263

SOUTHERN OFFICE
2121 Plasters Bridge Rd.
N.E., Atlanta, Ga. 30324
(404) 873-5546
TWX 810-751-8557

SOUTHWESTERN OFFICE
145 Payne St.
Dallas, Texas 75207
(214) 742-8076
TWX 910-861-4911

MIDWESTERN OFFICE
1334 Atlantic Ave.
N. Kansas City, Mo. 64116
(816) 842-1130
TWX 910-771-3180

WESTERN OFFICE
1255 Veterans Blvd.
Redwood City, Calif. 94063
(415) 365-5200
TWX 910-378-5418

Conspectus



OUR COVER

Cameraman Sherril Schroeder focuses on Teleprompter of Liberal, (Kan.) weatherman Jack Williams as he presents the Kansas and local weather. The system will be included in a special feature appearing in the October issue of TV Communications. The local origination survey will cover all phases of program origination by all sizes of systems.

CATV

Authoritative Newsweekly of Cable Television

Stanley M. Searle — Patrick T. Pogue
Publishers

Robert A. Searle — Editor

Jacqueline B. Morse — Managing Editor

Charles E. Bell — Assistant Editor

Mark Day — Editorial Assistant

D.A.A. Lindmark — Art Director

Steve Riley — Production

R. Wayne Wilson — Advertising Director

Buford S. Marsh — Business Manager

Don Hardesty — Circulation Manager

Washington Bureau: (202) 393-4488

page 7

NCTA Chairman Adler leads walk-out on NAB copyright negotiations; calls broadcasters' demands "unreasonable, irresponsible."

page 8

NAB tries harsh ultimatum with cable industry; suggests prohibition of entertainment origination, severe limitations on number of channels to be carried.

page 8

First reactions to negotiations break-down favor Adler's action; from East to West Coast cablemen speak out in support of NCTA position.

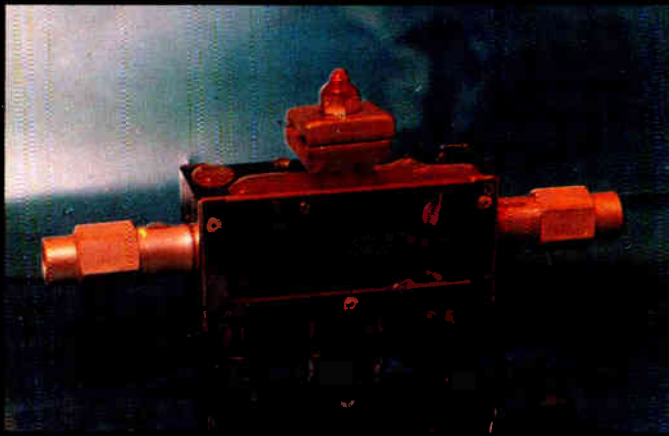
page 9

Warsaw, New York cable system jumps telco for forcing leaseback arrangement; claims service is bad, prices outrageous.

Contents

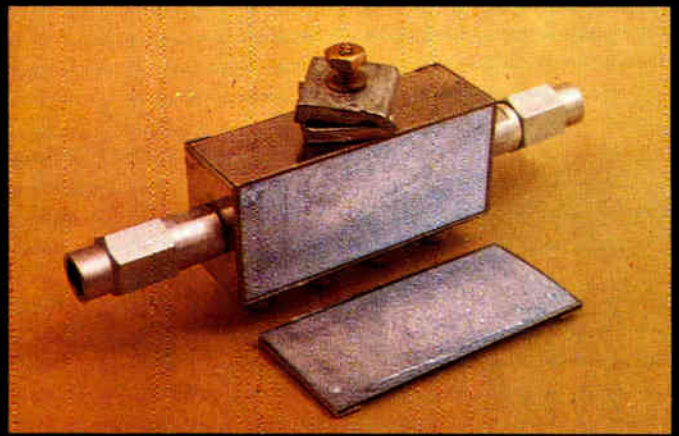
Viewpoint	5	Moving Up	16
Meeting Calendar	8	Financial	21
Capitol Hill	11	Industry Stocks	21
Franchises	14	Classifieds	21
Construction	15	Profile	22

CATV September 8, 1969, Vol. 3, No. 36. Published every Monday by CATV Publications, Inc., 1900 W. Yale, Englewood, Colorado 80110, (303) 761-3770. Subscription Rate: \$33 for 52 weekly issues, plus CATV Systems Directory and CATV Equipment Directory. Single copy price: \$2.00. CATV (title registered at U.S. Post Office) Second Class postage paid at Englewood, Colorado. For subscription orders, renewals, and address changes contact the CATV Circulation Department: Please allow six weeks for processing. An address label will expedite address changes.



dunk it

Silvertap II is not just waterproof . . . it's moist air and corrosive fume proof. It won't breathe a drop, even if left underwater indefinitely. Other taps may be rainproof, but they still breathe in and breathe out. The complete sealing of the Silvertap II is a bonus that lets you forget about moisture and corrosion.



slice it

Every Silvertap is filled with a special closed-cell polyurethane foam. Moisture cannot enter, cannot become trapped inside, and cannot cause loss of performance. Even if you sliced the side right off the nickel-plated housing, the Silvertap would continue to perform, year after year, in any environment.



test it



price it

model	insertion loss	return loss, dB			isolation, dB, min.	
		input	output	tap	tap-tap	tap-output
ST-II-10-4	3.5 dB	20	20	18	20	26
ST-II-14-4	1.8 dB	20	20	18	20	26
ST-II-17-4	0.9 dB	20	20	18	20	26
ST-II-20-4	0.7 dB	20	20	18	20	26
ST-II-23-4	0.4 dB	20	20	18	20	26
ST-II-26-4	0.3 dB	20	20	18	20	26
ST-II-29-4	0.3 dB	20	20	18	20	29

ST-II is available in values from 10 to 29 dB, with two or four outputs and with .412 or .500 cable connectors.

LIST PRICES (subject to discounts)

ST-II-2-412 two output, .412 fittings	.. \$13.50
ST-II-2-500 two output, .500 fittings	.. 15.50
ST-II-4-412 four output, .412 fittings	.. 14.00
ST-II-4-500 four output, .500 fittings	.. 16.00



Robert A. Searle
Editor

Viewpoint

Summer Slump Is at an End

Traditionally, spring is the time of new beginnings. But there's something about the tang of autumn air that seems to blow new life and zest into every undertaking. Perhaps we feel that especially this year, and especially this week, since this issue of *CATV* is the first published in our new Denver headquarters—but we're certainly not the only ones who are affected by the new season.

The first week of September saw NCTA taking the kind of firm, decisive action which is so welcome after weeks of "no-progress" reports. The breaking off of negotiations with NAB is not the best of news—a breakthrough in understanding would have been the headline we'd have preferred to carry, of course. But it *does* announce that summer vacation for cable people is over.

The entire industry seemed to have fallen victim to the "summer doldrums." If things were moving, they were moving largely below the surface; and it's all too easy in that situation to sit and wait. It's all too easy to listen to Torbert Macdonald's speech in San Francisco. . . then go home, back to your own particular worries, hoping and trusting that "someone" will handle the Washington problem.

When Adler led his committee's walk-out on the negotiations, he said the emphasis will be on pushing legislation through the congressional committees. But Bill Adler is not naive—he knows we can't afford to sit back and trust to the good offices of a handful of sympathetic congressmen. He knows, too, that no matter how hard each of us works, we may *not* get legislation, and he's said we'll attack the problem on the regulatory front as well. To do so effectively, he needs the active support of every cableman.

What the industry faces today is not new. But it does demand a new vigor and enthusiasm. NCTA has not backed down—shows no signs of retreat. The leadership in evidence there ought to strike a responsive chord throughout the industry.

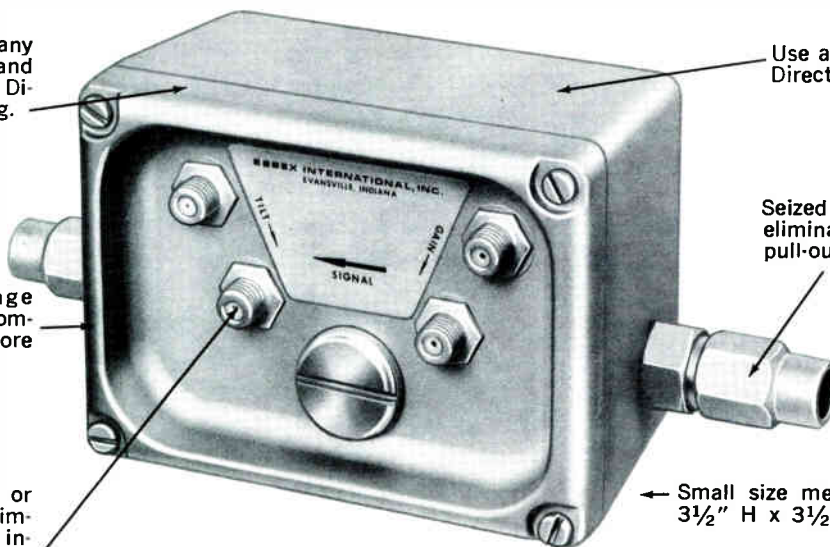
...the New 110 Line Amplifier

plugs into existing tap housing

Can be plugged into any existing ESSEX strand or pedestal mounted Directional Tap housing.

Wide frequency range (50 to 270 MHz) accommodates 12 or more channels.

Available with one or four outputs which eliminate the need for installing additional housings where customer drops are required.



Use as Line Amplifier or Directional Tap.

Seized center conductors eliminate outage due to pull-outs.

← Small size measuring only 3½" H x 3½" W x 5" L.

ESSEX
electronic systems

ESSEX INTERNATIONAL, INC. 3712 UPPER MT. VERNON RD., STATION B, P.O. BOX 6453, EVANSVILLE, IND. 47712

NCTA Breaks Off NAB NAB Negotiations; Adler Demands More Reasonable Terms

Cablemen refuse NAB's "fair and equitable" copyright terms which would freeze CATV development; Adler demands new NAB negotiating team, more reasonable terms.

NCTA last week broke off negotiations with the National Association of Broadcasters. NAB insisted on an outline of copyright-regulatory rules for CATV that NCTA chairman William Adler characterized as "unrealistic, irresponsible" and unresponsive to the needs of the nation.

No further meetings are planned, and Adler said none would be considered unless NAB appoints a negotiating committee more representative of the broad spectrum of broadcasters. The present committee, Adler believes, does not represent most broadcasters' understanding or acceptance of CATV.

He said NAB's supposed concessions to CATV were unnecessary and the demands in return were unreasonable. (See separate story for details of NAB demands.)

With the breakdown in negotiations, NCTA promptly informed Senate Copyright Subcommittee Chairman John L. McClellan (D-Ark.) of the fact and asked for what NCTA considers more reasonable copyright terms.

CATV May Not Be Split

A Copyright Subcommittee source has indicated that McClellan will probably *not* wish to split CATV from the main copyright bill now. The subcommittee, instead, plans to report out a complete CATV section, including copyright and regulatory provisions. The Commerce Committee will be rung in on the regulatory aspects of the bill.

Adler said that now legislation in both the copyright and regulatory fields will be pushed in the judiciary and Commerce Committees of both House and Senate. He expressed confidence that many legislators will support the principles embodied in the compromise agreement worked out by the staffs of NAB and NCTA and approved by the NCTA board before the NAB board, under strong pressure from violently anti-CATV broadcasters, scuttled the plan

and appointed the present committee.

If equitable legislation can't be won, Adler said, then cable's only hope is a loosening of the FCC rules. He also expressed the hope that the majority of broadcasters who are willing to accept CATV's place in American communications will assert themselves at NAB.

Meeting Membership

At the NCTA-NAB meeting last week, the fourth such held, were NAB negotiators William Grant of KOAA-TV in Pueblo, Colo., chairman of the negotiations subcommittee; Richard L. Bessmeyer of ABC network; Bill Fox of KFMB-TV in San Diego, Calif.; Jack Harris of KPRC-TV in Houston and a head of the Association of Maximum Service Telecasters; W. Robert McKinsey of WJRJ-TV in Atlanta, and special attorney Jack P. Blume.

Chairman of the NCTA delegation, in the absence of Alfred R. Stern, was past NCTA chairman Robert Beisswenger of Jerrold Corp. Also at the table were

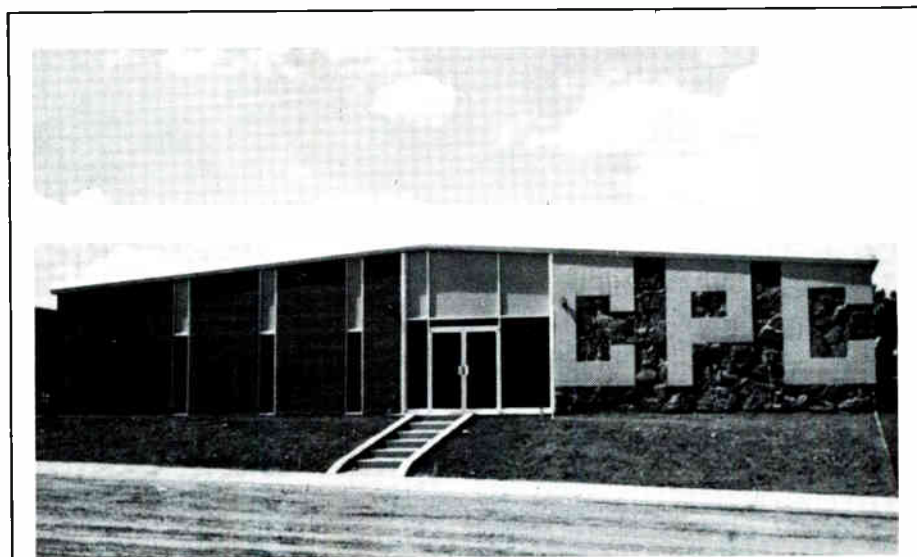
Irving B. Kahn of TelePromTer Corp.; Ralph Demgen of Willmar Video Inc. in Willmar, Minn., and attorney Walter Schier, plus NCTA general Counsel Bruce Lovett.

NAB said that "NAB Negotiators made specific proposals designed to give relief and provide for orderly growth and the maintenance of free broadcasting service in small and medium markets. Certain concessions were also offered to benefit smaller CATV systems." That official statement follows the tenor of the letter NAB president Vincent T. Wasilewski sent to McClellan assuring him "that NAB is bargaining in good faith and sincerely hopes that our negotiations will continue until we have reached an agreement which is fair and equitable to all parties."

Wasilewski in his letter also said that "NAB intends to make some rather specific proposals to NCTA at our next session which are designed to provide a measure of relief to operators of small CATV systems, in exchange for which we will request a greater degree of protection to small market television operators and for some radio station licenses."

The "rather specific proposals" advanced by NAB would freeze CATV development—apparently NAB hoped that existing CATV operators would be hap-

(continued on page 20)



Doing business at a new location: Communications Publishing Corporation officially moved in last week at new headquarters in the Denver suburb of Englewood, Colorado. The 8,000-square-foot building at 1900 W. Yale houses the executive, administrative and main editorial and sales offices. A sales staff and editorial correspondent remain in Oklahoma City.

NAB Plan Would Cut Signals Carried, Prohibit Origination Of Entertainment

Highlights of the plan proposed by NAB negotiators and rejected out of hand by NCTA: Severe limits on number of signals carried, prohibition of entertainment origination.

It took NCTA negotiators no longer than 15 minutes to reject the ground rules insisted on by the NAB team last week (see separate story on meeting). While the details of the broadcast proposals were not available, these are the highlights as far as could be learned at deadline:

In markets ranked 51 through 224, CATV systems would be prohibited from originating any programs of an entertainment nature. (Apparently NAB refused to discuss the application of this extremely harsh measure to the top 50 markets until NCTA would agree that it was a reasonable one.)

In the top 20 markets, CATV systems would be limited to three network and three independent television stations. NCTA didn't have the research handy, but recognized the strong possibility that all top 20 markets have at least that many local signals.

In markets 21-50, CATV systems would be restricted to three networks and two independents. (Again, there is the strong possibility that most, if not all, of those markets would have that many signals locally.)

In markets 51-224, the screws would really get tight. NAB wanted CATV systems in those markets limited to the three networks and one independent TV signal.

The FCC's so-called "Footnote 69" rule forbidding carriage of overlapping major city signals, such as Washington and Baltimore, would be codified into a rule absolutely forbidding carriage of signals from adjacent communities.

A CATV system would always be required to carry the nearest TV station. If a new television station came on the air nearer to the cable operation than other stations being carried, the CATV system would have to discontinue carriage of the old signal or signals and begin carrying the closer, new signal.

Grandfathering would be held absolutely to subscribers as of December 20,

1968 (barring expansion by existing systems according to existing formulas) with the possible exception of tiny or remote cable operations which might have a later cut-off date.

No per-channel or per-program charges could be made by CATV systems.

CATV systems outside of the Grade B Contour of any broadcast station would be exempt from copyright liability from the NAB. (This apparently was considered a great concession by NAB.)

Small CATV systems (size unspecified), within the Grade B contour of a television station but outside the Grade A contour of any television station, would have to adhere to carriage and nonduplication rules, but most likely would avoid other restrictions and copyright liability.

Small CATV systems would not be required to originate any programming (a requirement contemplated by new FCC rules, which might also exempt small systems).

Exclusivity was apparently not mentioned in the NAB presentation. NAB reportedly had no written statement of its negotiating points.

Adler characterized the NAB negotiators this way: "They'd like to put CATV back in the Stone Age."

Reaction Prompted By NCTA Copyright Turn-Down

Cablemen around the country were quick to react to the NCTA bolt from copyright negotiations. Alan Harmon, vice president of Daniels and Associates, Inc., Charles Dolan, president of Manhattan Cable Television Services, and Harrold Farrow, prominent California attorney had these comments for *CATV Weekly*.

Harmon said, "NAB is obviously driving the hardest bargain they can. The

problem is caused by the inability of broadcasters to accept the cable industry in the field of communications. Until they are educated as to the growth of communications in this country and can see farther ahead than their last month's financial statement, they will fall behind.

(continued on page 19)

MEETING CALENDAR

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

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

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

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

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.

LVO's CATV Business Revenues Up For 1969

According to its recently released Annual Report, Livingston Oil Company's CATV business is better than ever with revenues from that division up to \$3,712 in 1969 from \$3,084 in 1968. Expenses, of course, are up too, but only by 17%, which is considerably lower than the rise in expenses in LVO's other divisions.

Revenues for the corporation as a whole were \$19,902, compared with \$18,671 in 1968. Net earnings rose to \$2,899 for 1969 compared with \$1,536 the preceding year—a per-share increase of \$.23 from \$.27 to \$.50.

LVO president Wayne E. Swearingen, in addressing the shareholders, said that the annual meeting will be held in Tulsa, Oklahoma later this month and that stockholders will be asked to approve a name change, a slate of directors, and an increase in common stock from 7.5 million shares to 10 million shares. Corporate management has proposed changing the name from Livingston Oil Company to LVO Corporation.

Swearingen also commented on the progress of GenCoE (the CATV division). Subscriber count, he said, has increased by about 40 percent, and new franchises assure continued growth. GenCoE at present has systems operating in 41 towns with systems under construction in 4 more and franchises for another 19 communities.

Comsat Shares Added By N.Y. Mutual Fund

Communications Satellite Corp., which is, in conjunction with NCTA, planning a six-channel cable-only network, has been added to the portfolio of Energy Fund Inc., a no-load mutual fund.

The New York fund, during the quarter ending June 30, purchased 17,500 shares of Comsat, an investment of \$892,500, according to president Donald C. Samuel.

Growing By 20%

Samuel said, "Currently, international communications traffic is growing by over 20 percent a year. With

existing transmission cable facilities fully loaded, satellites stand ready to pick up the growth."

Comsat's proposed CATV program which includes educational and cultural, weather, medical and health, nation's capital, and selected reruns channels has projected approximately 30 million subscribers by 1975 at a cost of \$29 billion. AT&T prices based on the same amount of surface transmission by lines and microwave, has been estimated at around \$63 million.

Systems owned by Comsat include orbital satellites providing communication channels between earth stations to transmit telephone messages, television signals and data transmissions.

The firm, as manager for Intelsat, procures satellites, arranges for the launchings and operates the space segment of the global telecommunications system. It manages six U.S. link stations and maintains a 50 percent ownership in these.

Net assets of Energy Fund on June 30 reached \$134,509,560 or \$14.62 per share.

Energy Fund, with more than 52,000 shareholders throughout the world, is headquartered in New York and is managed and distributed by Ralph E. Samuel and Company, members of the New York Stock Exchange.

Warsaw Cable Accuses Telco Of Punitive Rates

Outrageous tariff charges and poor public service were among the complaints lodged against Rochester Telephone Company last week by Warsaw Television Cable Corporation. The CATV system raised an angry voice in objection to the telephone company's application for 214 certification.

Warsaw Cable, through its Washington attorney Lewis Rivlin, asked for an FCC investigation and hearing before any 214 Certificate should be issued. In support of its request, the cable firm said it had been forced to accept leaseback arrangements against its will, and that it continues leaseback operation only under protest.

At the time of the original franchise grant by the village of Warsaw, said the petition, the telephone company stated

publicly that pole attachment arrangements would be acceptable. Later, however, the telco reversed position and denied Warsaw Cable any access to poles—either those wholly owned or those owned jointly with the utilities.

According to the petition, cable officials concluded that "continuing CATV service under a leaseback arrangement was preferable to going out of business." It seems, however, that simply agreeing to a leaseback operation did not solve all of Warsaw's problems. The rates charge by the telco are characterized by Warsaw Cable as "possibly the most punitive in the industry." Rochester Telephone receives \$24 per quarter mile of cable, \$20 per house drop installation, \$10 each for disconnect and reconnect and \$.40 per drop rental monthly. Total monthly charges are tabulated at \$1,500 for less than 10 street miles of CATV system.

Performance, too, say CATV officials, "has been less than exemplary." Examples cited in the petition for a hearing: excessive delays in installations, technical problems, and refusals of service.

Lagging Station Loses FCC Try For CATV Halt

A Washington State CATV operator has won FCC protection from an area television entrepreneur's efforts to stifle cable operations in Yakima County.

West Valley Cablevision Inc. runs cable service in Union Gap and other portions of Yakima County, but the permit-holder of non-operating KAPP Television on Channel 35 in Yakima asked the Commission to demand that the CATV operator halt its expansion

Memo to Cablemen

Pacific Northwest Cable Operators: Your association is meeting next week, Monday through Wednesday, at the University Tower Hotel, Seattle, Washington. A full program of technical and management sessions is planned, with NCTA president Frederick Ford and FCC general counsel Henry Geller on the speakers' platform.

if you haven't investigated **AEL's**
colorvue expanded band

Trunk Line,
Intermediate Bridging
and Extender
Amplifiers

**you may be
cheating
yourself!**

Now,
what can
we do
for you?



CATV DIVISION



C-102

American **E**lectronic **L**aboratories, **I**nc.

P.O. Box 552, Lansdale, Pa. 19446 • PHONE: 215 / 822-2929 TWX: 510 / 661-4976

and be issued a Cease and Desist Order. KAPP claims that the CATV system will hamper its establishment and growth.

The television station claimed that West Valley Cablevision expanded its operations without notifying KAPP as required by the rules, but the CATV firm noted that it notified other area television stations that were in operation, omitting KAPP because it was in uncertain status before the Commission, which might have lifted its construction permit.

The Commission unanimously approved of the cable system's position, noting that even without a formal notice KAPP was well aware of the system's growth for several months before it complained to the FCC.

West Valley Cablevision is owned by Tele-Vue Systems, Inc., a division of CBS, and by Sheldon W. Searle, Patrick Pogue and Stanley M. Searle. The system has been in operation since Dec. 1968.

The system provides approximately 1100 subscribers with signals from stations KIMA-TV (CBS, ABC), KNDO (NBC) and KYVE-TV (Educ.), Yakima; KOMO-TV (ABC), KIRO-TV (CBS) and KING-TV (NBC), Seattle; KTNT-TV, (Ind.), Tacoma; KVOS-TV (CBS), Bellingham; and CHEK-TV (CBC) Victoria, B.C.

"No Need For Panic"

Loader Tells Broadcast

"There is no need for panic," said John Loader, the executive vice president of the Canadian Cable Television Association, to a luncheon audience of the Broadcast Executive Society in Toronto, Canada.

His statement was in reference to his prediction that cable television will "revolutionize the TV industry with up to 40 or more channels, all-day-long news with wrap-ups at intervals, or another channel for comment on the news of the day, another for a magazine feature type of television presentation and another for continuous showing of feature films."

He added for the benefit of the broadcasters that there is no need for panic, broadcasters will remain the producers, if not the distributors of programs.



On Capitol Hill

1970 Budget Blank Will Be Problem For New FCC Chairman

CATV Washington Bureau—One of the big blanks now facing Congress is the federal budget for fiscal 1970, which began July 1. So far, Congress has appropriated no money, so theoretically the federal government is flat broke with no money at all. Bureaucrats haven't been going without paychecks every other Friday, of course. Instead of passing new "money packages," Congress simply extended last year's level of appropriations until it gets around to deciding on new levels.

What does this mean for the new FCC Chairman? First, it means that he has to go before the Senate asking for confirmation when he doesn't even know the financial status of his new agency. It means that, assuming he wins Senate confirmation, he is going to have to enter his new job at a time when a new budget is being drawn up "blind"—because the current budget won't even have been determined by Congress.

Complex Budget Process

This is how the complex procedures work. The government's fiscal year runs from July 1 to July 1. The American people are currently in the midst of fiscal 1970, even though the calendar still says 1969. But the last official congressional appropriation for government operations ended with fiscal 1969—and that was last June 30. With the expiration of authorized funding of the entire government, it was necessary for Congress to pass a "continuing resolution"—an increasingly ordinary annual habit, as Congress regularly has not passed appropriations on time in recent years.

But autumn is approaching the time when federal agencies are supposed to evaluate their current spending levels and prepare a bare-bones proposed budget for the coming year, fiscal 1971. The FCC, like other agencies, is going to be in an especially awkward position if it has to draw up its new estimates before its current spending levels are set, though that is a distinct possibility. For a new Chairman, unused to the bureaucratic maneuvering involved in such procedures, the budgetary suspension will pose particular problems.

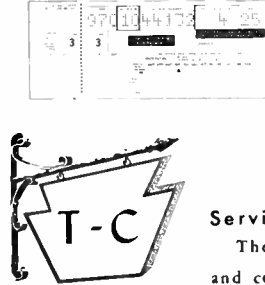
Customarily, the FCC Chairman has staffers draw up the budget proposal—which always must be at a supposed rock-bottom—and then has the rest of the Commission approve it before sending it to the Budget Bureau for evaluation. Each aspect of the proposed budget must be justified. The FCC might put down, for example, \$1,000,000 for research into CATV headend technology. Following such a request through the procedure, the CATV Task Force might have submitted a memo to the FCC Chairman requesting an absolute minimum

of \$1,500,000 for headend research. Commission budgetary staffers would cut this down to \$1,000,000, and the Chairman would have a meeting of the Commission to approve the item along with the rest of the FCC budget. (An occasional Commissioner has, in the past, complained that he has voted for a budget that he had no hand in shaping, as the Chairman has almost absolute discretion.)

Then the budget proposal goes to the Budget Bureau, which is the President's fiscal right arm. A bureau functionary might give a call to the FCC saying, "come on, man, you can't really want this much"; but whether or not there's any communication, there's a fairly good chance that the total budget will be whittled.

When the White House finally sends its full budget request to Capitol Hill, the House traditionally cuts a large chunk out of agencies, such as the FCC. The Senate is usually less harsh, and an eventual compromise is reached only a couple of million dollars lower than the Administration asked for the FCC. The headend study might be trimmed to \$350,000 by the House, raised back up to \$600,000 by the Senate, and finally settled at \$500,000 by a joint House-Senate committee. That is the figure that probably would be accepted by the legislators—with the possible rare exception of a controversial appropriation that raises general interest.

That's a rugged road for any appropriations bill to run, and right now the FCC is far from knowing what money it will have, though it already is in the process of drawing up requests for next year. So far, the House has passed an appropriations bill for \$21,600,000 for the FCC, though the administration asked for \$23,950,000. It would be about par for the course for a final figure of \$22,500,000 to be settled on, but the fact is that the Senate Appropriations Subcommittee hasn't even acted yet. The official appropriation may be some time off.



Coupon Books
(ALL STYLES)
Service Forms — Collection Boosters
The largest producers of CATV service
and collection forms serving North America
SEND FOR SAMPLES and DETAILS

T-C SPECIALTIES CO.
P.O. Box 192A - Coudersport, Pa. 16915
Phone (814)274-8060

**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



**Ask Alphamatic
News™**

ALPHAMATIC NEWS, Department CN3
Television Presentations, Inc.
375 Park Avenue
New York, New York 10022

- 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.

NAME _____

TITLE _____

FIRM NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP CODE _____

PHONE _____

When You Go Underground GO WITH UNDERGROUND

FORTY YEARS EXPERIENCE IN
UNDERGROUND CONDUIT, CABLE
AND STRUCTURE INSTALLATION

CATV

Feasibility Surveys
Engineering
Consulting
Complete Conduit-
System Construction

WE OFFER

Firm Quotations
Experienced Workmen
Integrity
Reliability

ART SEYMOUR

BOB JONES

UNDERGROUND CONSTRUCTION CO., INC.



Engineering Contractors

2600 Wilhams St. San Leandro, Calif. 94577

(415) 357-3520

Franchise Activity

CALIFORNIA: Colton: Zythum Enterprises has submitted a franchise bid to the city council. The city staff has been directed to make a detailed report on the proposal . . . **Long Barn:** The board of supervisors has delayed action on the granting of a 20-year franchise to Andre's Radio and Television. Franchise fee for the proposed system has been set at 2 percent of the gross profits.

FLORIDA: Eustis: Third and final reading has been given to an ordinance granting a 15-year, non-exclusive to Leesburg Cablevision. Five Beaches Cable TV already holds a franchise for the area.

LOUISIANA: Franklin: The town council passed an enabling ordinance and granted a 20-year non-exclusive franchise to South Louisiana Cable Company. The city will receive \$1.75 per pole for rental and 3½% of gross.

MARYLAND: Elkton: The town council has received bids from the following systems: WSER, Whole Electronics Garden Spot TV, American Telecable and Amvideo Corp.

MASSACHUSETTS: Arlington: Cablevision Corp. of America, Colonial Cablevision Corp. and Patriot Cablevision, Inc. have each submitted franchise bids to the board of selectmen. No deadline for a decision has yet been set . . . **Paxton:** Parker Industries, Inc. has asked

the town selectmen for a franchise. The matter was referred to the town council.

NEW YORK: Huntington: Inter-County Television Corp. has submitted its franchise bid to the board of supervisors. Huntington TV Cable Corp. already holds a franchise for the area.

PENNSYLVANIA: Fairchance: Video Link Television has submitted its franchise bid to the borough council . . . **Scranton:** The city council has passed a CATV enabling ordinance . . . **Whitehall:** Centre Video and Tex Video have each submitted a franchise bid to the borough council.

SOUTH CAROLINA: Abbeville: Abbeville Community Cable has submitted its franchise bid to the city council. The firm is proposing 10 video channels and a minimum income of \$1200 per year to the city.

TEXAS: Daingerfield: Clear-Vue Cable, Inc. and Tejas Industries, Inc. have each submitted a franchise bid to the city council.

BRITISH COLUMBIA: Creston: The CRTC has awarded Creston Cabled-Video Ltd. a two-year license to serve the area.

ONTARIO: Hamilton, London, Peterborough: The CRTC has given Maclean-Hunter Cable TV permission to serve these areas for a two-year period.

SUBSCRIBE TO THE AUTHORITATIVE NEWSWEEKLY OF CABLE TELEVISION

CATV

Please begin my subscription immediately. I understand I receive free copies (when published) of the comprehensive CATV EQUIPMENT DIRECTORY & CATV SYSTEMS DIRECTORY.

ONE YEAR \$33
 TWO YEARS \$60

NAME _____

FIRM NAME _____

TYPE OF BUSINESS _____

ADDRESS _____

CITY _____

STATE _____ ZIP CODE _____

CATV PUBLICATIONS, INCORPORATED
1900 W. Yale/Englewood, Colorado 80110

System Construction

ARIZONA: The Sierra Vista Cable Television's system is complete except for subscriber hook-ups. The Sierra Vista will soon begin local origination, according to company spokesmen.

CALIFORNIA: Triangle Cable Co. has received permission from the county planners to erect a 150-foot-high tower in Oakdale. Undergrounding of cable on the streets has been completed by Peninsula Cable Television of San Carlos. Most of the system's construction has been completed.

Lompoc Valley Cable TV has scheduled undergrounding of cables in cooperation with General Telephone Co. and Pacific Gas and Electric Co. in the Solvang downtown area.

FLORIDA: Construction has started which will extend G'Tec's Lake Wales system into subdivisions.

Construction will begin this month on the Pensacola system. Omni-Vision management plans to underground much of the projected 450 miles of cable.

GEORGIA: Georgia Cablevision Corp., a Cox system, has announced plans to expand to serve an additional 6,500 residences by early fall in Atlanta.

IOWA: A tower site has been leased and construction will begin on arrival of Warren Cable TV Corp.'s needed supplies. The Algona system plans operation to begin in October.

MARYLAND: Operation of Lex-Park Cable Video is expected to begin in mid-September in Lexington Park. The system will cable 12 channels.

MASSACHUSETTS: Parker Cablevision plans to begin local origination by early

next year. The Worcester system estimates completion of the city's 400 miles of streets within about two years.

MISSOURI: Crews are presently stringing cables and the cable TV tower is under construction in International Telemeter Corp.'s Jefferson City system.

NEW YORK: Preparatory work has started in Perinton on People's Cable Corp.'s newly franchised system.

The Richfield Springs town board has given permission to the KWR Systems TV Co. to run a feeder cable line on the eastern end of the town of Richfield to the village of Richfield Springs.

NORTH DAKOTA: Undergrounding of Grand Forks Cable TV's 90 miles of cable and tower construction have begun in Grand Forks. The first hook-ups are slated for this month.

VIRGINIA: A dual cable system is replacing the 4-year-old Reston cable installation. The rebuild by Reston Transmission Co. will make local origination possible on the system.

Work is
something
the
handicapped
can do.
Hire them.

The President's Committee
On Employment of the Handicapped
Washington, D.C. 20210

NCTI

offers your personnel
an unparalleled
technical education
in Cable Television.

Gentlemen: I would like to obtain full information about your full curriculum of installer, technician and advanced technician courses. Please send your catalogue immediately to my attention.

NAME _____

FIRM _____ TITLE _____

ADDRESS _____ PHONE NO. _____

CITY _____ STATE _____ ZIP _____

National Cable Television Institute
AN AFFILIATE OF COMMUNICATIONS PUBLISHING CORP.
1900 West Yale Avenue • Englewood, Colorado 80110

Moving Up

Kenneth F. Peterson has been named vice president product development for Cohu Electronics, Inc., San Diego Division. Peterson will be responsible for market studies aimed at broadening Cohu's broadcast and closed-circuit television product lines and for programming deeper penetration into the division's present market areas.

William T. Hamilton has been elected executive vice president and general manager of the Michiana Telecasting Corp. Hamilton has been with the Notre Dame stations since 1955, and was promoted to general manager in 1959. *Bazil O'Hagan* has assumed the position of vice president of CATV, television and radio operations for the corporation.

Minnesota All-Channel Cable Vision, Park Rapids, has named a new manager, *Alex Kovach*. He received his training at Northwestern Electronics Institute and has been employed by National Tech. in Los Angeles and for Univac as well as serving in the U.S. Air Force.

Tom Piskura, former program manager of KPIX-TV, San Francisco, and general manager of WHTN-TV of Huntington, W. Va., has been appointed to vice president of Reeves Telecom CATV division.

Albert K. Fowler, president of RF Systems, Inc., has announced the appointment of *Microwave Marketing Associates*, Mountain View, Calif. as its Western Regional Sales Representative. President of Microwave Marketing Associates is *Donald F. Kojjane*, former Marketing Manager of Fairchild Microwave Products, Mountain View, Calif. and, prior to that, Director of Marketing for Radio Engineering Laboratories, Long Island City, N.Y.

John B. Wright has been named chief engineer of Cox Cablevision Corporation. He continues in his position as Chief Engineer of Video Service Company, a microwave common carrier subsidiary of Cox which serves CATV customers in Indiana. He has served in a technical capacity in microwave and cable television since joining the firm in 1965. He attended the University of South Carolina, where he majored in Electrical Engineering. Prior to joining the firm he was communications engineer for Southern Railway Company in Atlanta.

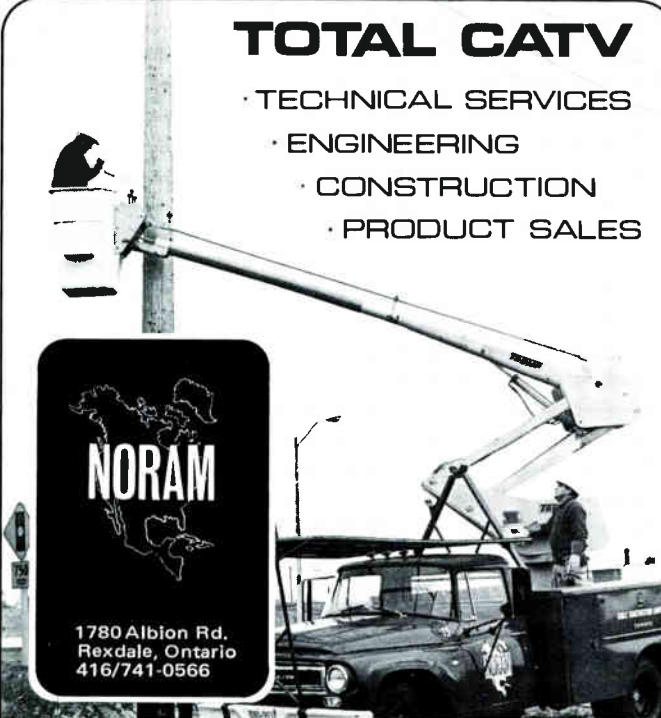
Daniel J. Mahoney, associate publisher of the Miami News, Miami, Fla. has been named to an American Newspaper Publishers Association committee on CATV. The committee is a strategy group created to defend the right of newspapers to own CATV systems or broadcasting stations.

Appointed as manager of operations and engineering for Carthage Cablevision Inc., Carthage, Mo. has been *Paul Meyer*. A graduate of Central Technical Institute, Kansas City, Meyer was previously employed at KMBC radio. Meyer replaces *Dean Petersen* who has accepted a position with United Video Corp., a subsidiary of Livingston Oil Co.

Commco, Inc. has announced the appointments of *Jake Landrum* as systems manager in charge of all the firms systems and *H.L. "Herb" Jackson* as vice president of the construction division. Prior to his association with the firm, Landrum was the division manager for Continental Telephone Co.'s CATV operations in the southwest. Jackson, who will serve as coordinator for the construction division, was previously with CAS Manufacturing Co. and also served as president of the H.L. Jackson Construction Co. prior to its recent acquisition by Commco.

Kenneth R. Mosher has been appointed director of treasury services for Storer Broadcasting Company. He comes to the firm from the certified public accounting firm of Ring, Mahony and Arner of Miami, where he served for over seven years. Mosher holds a degree in Business Administration from Florida State University where he graduated in 1962.

Frederick W. DeTurk, president of Phelps Dodge Communications Co., has announced the appointment of *Benjamin T. Trivelli* as chief engineer. Prior to joining the firm, Trivelli served as staff applications engineer with Amphenol Corp., RF Products Group.



TOTAL CATV

- TECHNICAL SERVICES
- ENGINEERING
- CONSTRUCTION
- PRODUCT SALES

NORAM

1780 Albion Rd.
Rexdale, Ontario
416/741-0566

Noram personnel offers more than seventy-five combined years of practical experience with CATV system installation and operation. This background ensures an expertly planned and completely efficient CATV system. Noram personnel have had the benefit of growing with the industry through fifteen years of development in Canada. From signal feasibility studies to the establishment of an operating CATV system—you can depend on experience—you can depend on Noram.



INTRODUCING THE NEW **EXTENDED RANGE**
Phoenician **XPR** *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
- **Expanded Cascadability**
with state-of-the-art advances in circuitry
- **Automatic System Level Control**
Dual pilot carriers control the
entire spectrum from both ends
- **Response Flatness of ± 0.25 dB**
over the full range of cable equalization
- **High Efficiency Power Supply**
requires no field adjustment
- **True Modular Construction**
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



Division of Kaiser Aerospace & Electronics Corporation
 P.O. Box 9728, Phoenix, Arizona 85020, Phone (602) 944-4411

We just widened the generation gap. (again)

It's the significant lag between "our own things" and the also rans.

The first time we did it (a couple of years ago) we came up with the first all-digital sync generator with a near perfect time base stability (4 nsec typical) and pulse jitter spec. Nobody else can touch it.

Now we've added a color encoder with all plug-in boards and built-in color bars. It has balanced modulators using linear IC's. Provisions for contours out of green. The works.

And still another first. A television programmer with magnetic disc memory. Whether used for CATV non-duplication or station automation, it gives maximum capacity and flexibility at minimum cost. Like 200 events on 26 output channels with one second resolution. Repeats to 7 days. (So you could say 1400 event capability.) Greatest reliability. Simplest operation.

Then we have a broadcast electronic character generator. Format is 14 lines of 40 characters each. Raster (not dot) generation assures maximum readability even on poorest home receivers.

And EIA video test generators. Multiburst. Stair-step. Sin^2 —Window. Modulated 20T pulse. Color bar. All EIA/NTSC/VIT compatible. Can be used singly or with new electronic sequential switcher to provide single continuously switched output. Has it all.

Now for the sleeper. A Vertical Interval Data Transmission system. Transmits data from news wires or character generator over existing video channels. Provides VIT keying pulse and adds test signals. Works with any video, local or remote. Encodes. Decodes. Erases. 8 line selection. So many applications it boggles the mind.

These are just some of our new ideas. If you take time to check the parameters of the products we've mentioned, you'll find no one else is half as close in concept. Let alone delivery.

So when you want some real help with your ideas, talk to TeleMation.

TELEMATION, INC.
The Total System Supplier



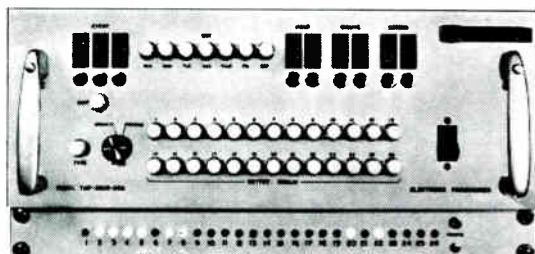
2275 SOUTH WEST TEMPLE
SALT LAKE CITY, UTAH 84115
TELEPHONE (801) 486-7564



TSG-2000 series All-digital sync generator



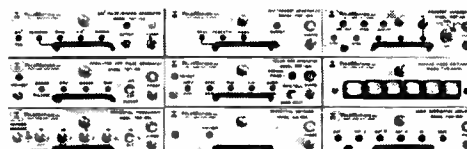
TCE-1600 video color encoder



TMP-2500 programmer



TCG-1440 Character generator



TMT-100 series video test generators

(continued from page 8)

"They will be the ones that eventually suffer," said Harmon. "They may slow CATV but they will never stop it."

Dolan fully supported Adler in rejecting NAB negotiations. He said, "Congress should take a very close look at the history of these negotiations and



Mr. Harmon

make a determination whether all parties were acting in good faith and whether the impasse was a result of each side seeking what is fair in the situation—or whether one side was seeking a competitive advantage and a protectionist position, which would be in their private interest rather than the public interest.

"Congress has the right idea in getting the two industries to work it out together," said Dolan. "They assumed that both industries would work under good faith conditions, and now that the matter has come to a halt, they (Congress) should examine and see if that is actually what happened."

Attorney Farrow said that under the existing status, "I find it very difficult to understand or envision the possibility of a negotiated settlement by the industry because there is such an imbalance in the bargaining posture. I fail to see the incentive for the NAB or copyright people to seriously negotiate in the present posture of the regulatory situation.

"When there's not any fire under one side to bargain, negotiations are slow to come," said Farrow. "Why should NAB bargain?"

Commenting on his CSI private industry copyright plan, Farrow said that he was naturally disappointed about the

postponement, but plans are for a reconsideration by the FCC in December if not sooner. He said that CSI is far from being dead.

CATV Rules Next Week

Comments on part of the FCC's proposed new CATV rules and reply comments on other segments were due at the FCC late last Friday, Sept. 5.

The filings came in too late for *CATV Weekly's* deadline, but they will be reported fully next week.

Subcommittee Probe In Fortune-Cookie

The Senate Judiciary Subcommittee on Administrative Practices and Procedures is likely to investigate the operations of the FCC in the not-too-distant future.

The subcommittee, headed by Sen. Edward M. Kennedy (D-Mass.), sent out questionnaires to various agencies, including the FCC, earlier in the year. The questionnaires were geared to the agen-

cies' responsiveness to the public and asked about how priorities were set and how secrecy was dealt with.

The study languished for some time, but last week the Kennedy Subcommittee announced that it will begin hearings on the Federal Trade Commission Sept. 10-11. Chances are, the FCC may come later in the fall.

New IVC Office To Southwest

A regional office of International Video Corp. has opened, and last week held an open house for customers.

The new office has been located in Dallas, Tex. to handle warranty of equipment in the firm's southwest region. The region includes New Mexico, Oklahoma, Arkansas Louisiana, and Texas.

The open house which IVC officials say lasted an extra day due to customer enthusiasm, featured the company's No. 3 Vidicon Camera, No. 3 Permacon Camera and broadcast preview tape recorder.

Bill 3 year's service for 12¢ postage by using coupons



You can gang punch a 36 payment book in less than a minute, mail it, with enclosures, for 12c. Saves over 66c per year in postage alone for every account. And the payment coupons are machine-readable in case you ever want your payments processed by a service center. And the books can promote other services! Write for the facts—or phone your nearest Allison or Cummins-Chicago Corp. office.



(continued from page 7)

py to continue profitable operations without undue concern about expansion. The NAB, proposals were sharply different from the NAB-NCTA staff agreement stipulations, and Adler indicated that NAB refused to discuss the gaps in its proposals or other questions until NCTA explicitly acknowledged the new outline of regulation as a basis for further negotiations.

Oversight At FCC Gives Cablecom More Troubles

Cablecom-General, Inc. of Colorado Springs, because of a FCC oversight in its past ruling, again has broadcast problems.

Robert Clark, president of the firm, said that Cablecom's letter of notification was sent to area broadcast stations in the Colorado Springs area which quoted the system's intent to expand into areas of El Paso County. TV station KRDO protested the expansion on the grounds that the FCC go-ahead ruling for the system was for city limits only.

Apparently, however, it was simply an oversight that the county was not mentioned.

Clark said, "We are in the process of advising the FCC that this has already been settled and we expect to get a favorable decision."

Herbie Urban Says Beware CATV Monster

Herbie Urban, satirically called "one of the great defenders of our free enterprise system," has been introduced to the public by Jeffrey Olen, Colorado Springs *Free Press* staff writer in his article *Herbie Urban Comments, Beware the Monster Cable Television*. NCTA, picking up the ball, has distributed a reprint of the article to all of its members.

G'Tec Gets FCC Ax In Illinois CATV Fight

A Cease and Desist order issued by the FCC to General Telephone and Telegraph Co. in the Bloomington and Nor-

mal, Illinois market was handed down last Friday.

Telecable Corp. had charged G'Tec with trying to freeze out independent CATV activity in that area.

The official FCC announcement was not released prior to deadline for publication. Full details will be carried next week in the Sept. 14 issue of *CATV*.

Negotiations Cause City To Invite Bids

The Tyler, Texas, city commission, because of unsuccessful negotiations with GenCoE Cable Television of Tyler, last week voted unanimously to invite proposals from cable television firms.

GenCoE, a subsidiary of Livingston Oil, Inc., which provides service to 13,000 homes in the city of 60,000 bought the original system and took over the 15-year-old franchise in 1967. The firm has been negotiating with the city council over system improvement, subscriber rates and gross receipts taxes. Meetings have been in progress since Dec. 1968.

Give your subscribers the message with

Slide-Scanner!

The new R.H. Tyler Slide-Scanner gives great new versatility to your public service and advertising message requirements! Featuring the Concord MTC-18 camera and a Kodak 88-slide carousel projector, this compact (27" l. x 11" w. x 12" h.) unit gives you almost unlimited capacity for professional-looking, full color messages. Slide-Scanner may be easily phased into Weather-Scan or Weather-Scan II operation. Inquire today for full details on this income-building unit for your system! R.H. Tyler Co. 1405-15th St., Wellington, Texas. (806) 447-5841.



Complete
as shown only
\$1084

The Originator of Time/Weather Equipment for Cable Television

 **R. H. TYLER
COMPANY**

Digest of Earnings

BURNUP & SIMS, INC.

Quar. July 31:	1970	1969
Share earns	\$1.15	\$0.09
Revenues	5,251,000	3,921,600
Net Income	77,000	42,000

The firm, a diversified communications corporation with CATV interests, reported a 34% gain in revenues and net income posted an 83% increase compared to first quarter 1969.

SCIENTIFIC-ATLANTA, INC.

Year June 30:	1969	1968
Share earns	\$1.16	\$1.14
Sales	14,940,962	11,012,829
Net earnings	144,158	118,504

For the final quarter president Glen P. Robinson, Jr. reported that the firm showed a loss of \$42,802 on sales of \$4,495,716.

VISUAL ELECTRONICS CORP.

Quar. June 30:	1969	1968
Share earns		\$2.29
Sales	\$4,044,000	6,726,000
Loss before tax	217,000	735,000
Income tax	120,000	337,000
Net loss	97,000	398,000

Industry Stocks

Stock	Stock Exchange	This Week	Last Week	Year High	Year Low	Shares Outstanding
Amer. TV & Comm.		14 1/2	14	14 7/8	7 1/2	1,392,773
Ameco	AM	9	9 1/8	19 1/2	7 1/2	1,200,000
AM Elec. Labs	OTC	7	7 3/4	29	7 1/2	1,516,432
Avnet		14 1/8	13	20 1/2	13	9,909,054
Cable Info Systems	OTC	32	3	5 3/4	3 1/2	955,000
Cablecom General		11 3/4	—	12 3/4	9 1/2	—
Columbia Cable		10 1/2	10	14 1/2	9	—
Cornelia Corp.	OTC	1	7/8	8 3/8	1 1/4	—
Cox Cable Comm.	OTC	14	13 1/4	23 7/8	13 1/2	2,550,000
Cypress Comm.	OTC	11	9 1/2	20 1/2	10 1/2	—
Entron	OTC	3 1/4	3 3/8	11 1/4	3 5/8	600,700
Famous Players Ltd.	C	13 3/4	13 5/8	19 1/4	13 1/4	—
General Inst.	NY	36 3/8	38 1/2	57	18 7/8	—
Gulf & Western	NY	22 5/8	23 5/8	60	20 5/8	15,120,860
H&B Am	AM	14 5/8	14	27 3/8	10	4,972,589
Kaufman & Broad Inc.		41 5/8	41 1/2	42 3/4	33 1/2	3,900,909
Lamb Comm., Inc.	OTC	4 1/2	4	10	4 1/8	2,468,284
Livingston Oil	NY	8 5/8	8 3/8	15	8	5,692,078
Maclean-Hunter	C	—	17 1/8	18 1/4	11 1/2	2,000,000
Reeves	AM	14 1/8	14 3/8	39 5/8	15 5/8	—
Scientific-Atlanta		8 1/4	8 1/4	19	8 5/8	903,442
SKL	OTC	—	3 1/2	11 1/2	3 1/2	—
Sterling Comm.	OTC	7	6 1/2	13 5/8	5 3/4	—
TelePrompTer	AM	54 1/2	53 1/2	78 1/2	32 1/2	—
TeleVision Comm.	OTC	—	—	21	11 3/4	2,645,046
Vikoa	AM	22	22 1/2	39 1/4	12 5/8	1,719,345

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

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.

EQUIPMENT FOR SALE

1963 Ford (5) 3/4 ton trucks, with 8' utility body and 28' hydraulic aerial ladder.

1966 International Mobile TV Van.

National Cable TV Systems
P.O. Box 100
Avalon, N.J. 08202
609/967-3011

DESIGN INSTALLATION

MAINTENANCE

BROADWAY

MAINTENANCE

Broadway Maintenance Corp.
Long Island City, N.Y. 11101

ELECTRICAL ENGINEERING EXPANSION—WITH A FUTURE CIRCUIT OESIGNERS (Senior)

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

CATV FIELDO 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

P.O. Box 9098
Phoenix, Arizona 95020
Atten: Personnel Manager
An Equal Opportunity Employer

Technicians

Positions available for experienced CATV technicians in Mid-West and East. Openings available in both large and small systems. These positions offer many excellent company benefits and an opportunity to use and develop your technical skills. Send resume to United Transmission, Incorporated, 2812 West 47th Avenue, Kansas City, Kansas 66103—Attention: Gene E. Olson.

Chief Technicians—Technicians

Chief Technician—wanted for large system. Must have supervisory ability and be experienced in system design, construction and maintenance.

Technicians—Openings for experienced technicians in large and small systems. Excellent company benefits. Reply to CATV Weekly. Dept. W99-2.

REPRINTS...

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

Write to: CATV Weekly
207 N.E. 38th Street Okla. City, Okla.

profile of a leader



KENNETH DOUGLAS LAWSON

Born in Los Angeles, California, June 19, 1929. He received his undergraduate degree from Occidental College, Los Angeles, in 1953 and his masters from the University of Colorado in 1956. Served with the U.S. Navy from 1953-55. He has been assistant manager of the San Diego Chamber of Commerce Industrial Department; Director of Research for Mohr, Adams and Ploured consultants; head of Economic Research for the San Francisco Bay Area Rapid Transit District; Executive Vice President and Treasurer of Ranchers Exploration & Development Corp. as well as Executive Vice President of subsidiary General Programmed Teaching Corp. In 1966, he joined TeleMation, Inc., Salt Lake City where he leads the CATV Division.

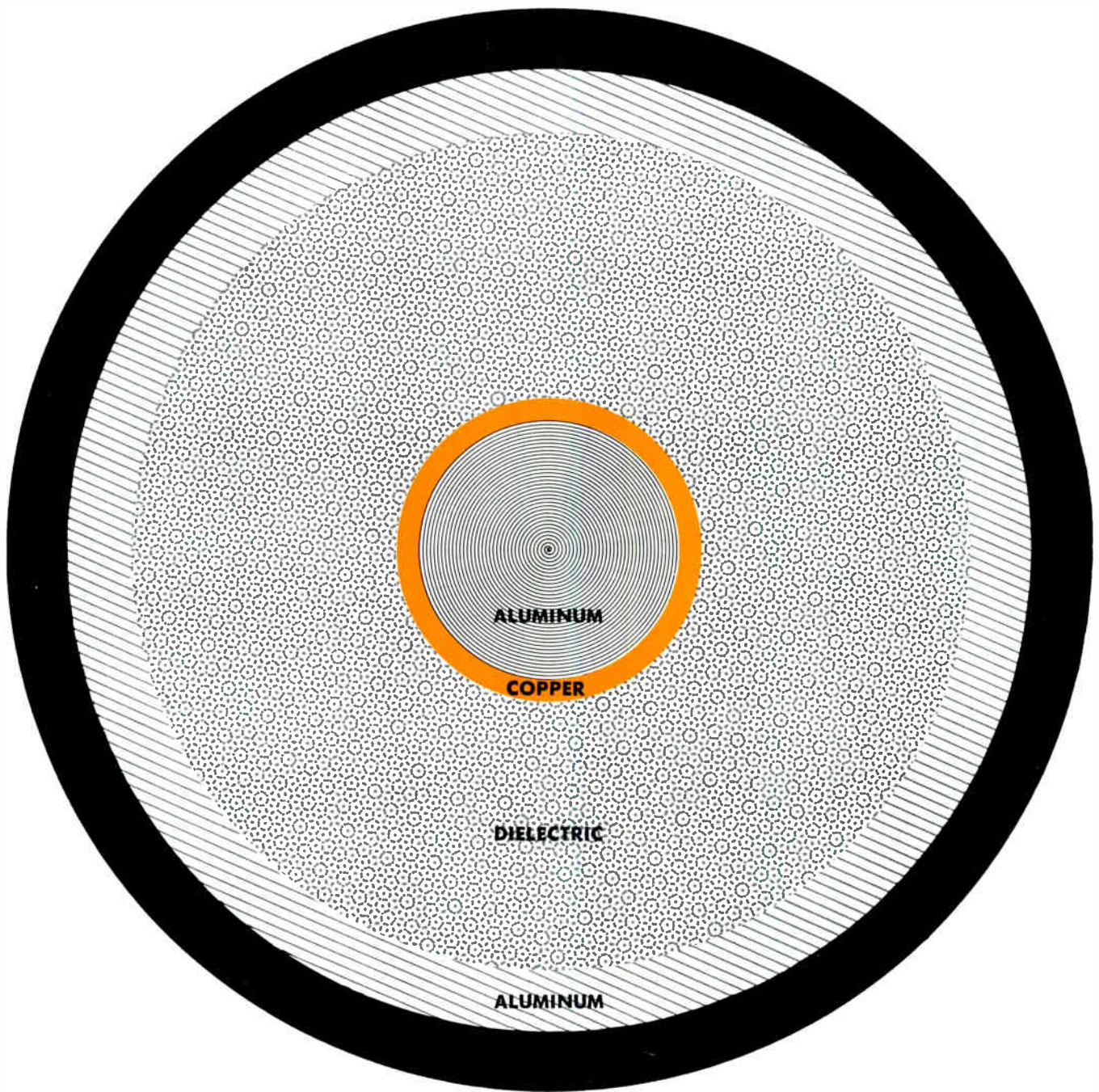
Local origination, to many cable system operators in the country, is synonymous with the name of Kenneth Douglas Lawson. A man who three years ago knew nothing about cable operations, Ken Lawson is today perhaps the most widely respected and acclaimed expert in local programming.

Next month, Ken will celebrate his third anniversary with the industry. In October, 1966 he happened to be in Salt Lake City visiting. He had just decided against pursuing a private business project, and had his ears open for a new career challenge. "I heard about this young, successful TeleMation—just off the drawing boards," he says. "I joined it then, and every promise of its success has been fulfilled." If he is enthusiastic about the company he represents, the firm's management is equally enthusiastic about him. Lyle Keys, TeleMation president, does not hesitate, either, to go beyond corporate boundaries in praise of his CATV Division head. "I truly believe," he says, "that while doing an outstanding sales job for TeleMation, Ken has been a great credit to our industry."

Any dissenting voices to this judgment would be weak ones indeed given the number of cablemen in the country who have personally benefited from this man's cheerful willingness to serve the cause. He has spent literally hundreds of sleepless nights, for example, in preparing equipment for use in state, regional and national CATV association meetings.

When Ken joined TeleMation, the firm had a single cablecasting studio in operation. Cablecasting at that time was almost exclusively a weather channel—and if an operator wanted to venture into live programming, he removed it on a tripod and began shooting. "It's unbelievable how far we've come," Ken says, thinking of those days. "Today we have more than 100 fully equipped studios, and operators have an amazing amount of sophistication." Getting here from there was far from easy. Cablecasting was not only an unknown . . . it was an expensive unknown. And Ken's job, as he saw it, was to help the operator analyze what he needed, then design the system, supervise the installation, advise and counsel on its use . . . and make emergency runs as needed—all on a reasonable budget. His candid manner and coolness under pressure have made it easy for cablecasting novices to take the giant step into a new CATV dimension.

What's the next step? According to Ken, this is "just the dawn of cablecasting." One thing he would like to see is a technical standard for the video waveform delivered to RF converter-systems—a video signal which would conform closely to standards set forth in Section RS 170 of the EIA report. "This would improve operations tremendously," he says. Then—always with his customers in mind—the practical Ken Lawson adds, "And it doesn't require much capital outlay."



FOR ON-TARGET CATV TRANSMISSION

... specify TI copper-clad aluminum center conductor for your next cable purchase from your favorite cable supplier. This modern "materials system" has proved its superiority in over two years of "zero failure" service. It consists of a solid aluminum core metallurgically clad with a "skin" of copper. Depth of this "skin" exceeds that required for transmitting the full range of signals. And since there's much less

copper in TI's clad conductor, substantial savings in cable costs are possible.

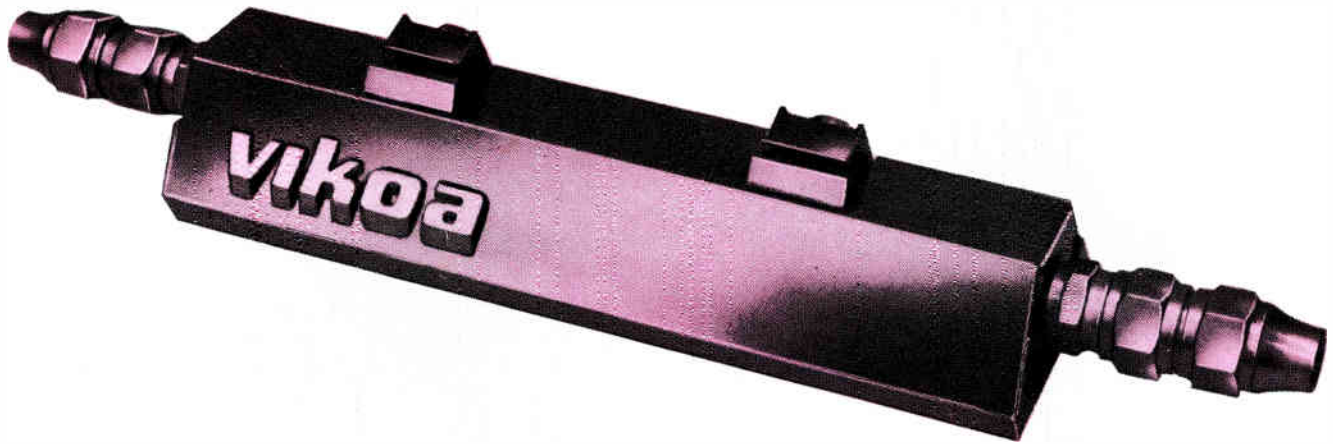
TI's clad conductor minimizes pull out problems because its thermal expansion matches that of the outer aluminum sheath. Much more flexible than solid copper it does not distort the dielectric when the cable is bent. Results: stable, uniform impedance and less chance of off-center registration. Being 40%

lighter than solid copper conductor, it's easier to handle and imposes less load in aerial installations. You can get TI copper-clad center conductor in your cable simply by specifying it from your cable supplier. For full details on this material and a list of cable manufacturers who use it write: TI Metallurgical Materials Division, Attleboro, Mass. 02703.



TEXAS INSTRUMENTS
INCORPORATED

QUALITY...



SUPER SPEC SERIES OF DIRECTIONAL TAPS

MOST UNIFORM SIGNAL LEVEL AT SUBSCRIBER DROP!

- High Coupling Efficiency
 - Lumped Constant (Flat) and Compensated Flat
- Uniform Signal Levels Regardless of the Tap Location
 - No More Stocking of Many Tap Types
- No More Tedious Tap Layouts



vikoa ... technically the One!

Vikoa, Inc. • 400 Ninth Street, Hoboken, New Jersey 07030 • N. Y.: (212) 943-5793 • N.J.: (201) 656-2020 • Wire WU: WUX-JHB, Hoboken, N.J.

FOR YOUR CONVENIENCE: Cable and Electronic Equipment Warehouses and Sales Offices are located in
□ Englewood, Colo. (303) 761-3070 □ Bellevue, Wash. (206) 454-1446 □ Garland, Tex. (214) 276-1181
□ Torrance, Calif. (213) 371-7543 □ Memphis, Tenn. (901) 274-0032

□ Available in Canada from Vikoa of Canada Limited • 8360 Mayrand Street, Montreal 308, Quebec • (514) 739-4477