

VOL. 79, NO. 38

NEW YORK, FRIDAY, AUGUST 23, 1957

## TV REVENUES HIT NEW PEAK IN '56 Stirs New Controversy Smathers Bill

### Asks Legislation To Curb Owners **Of Music Firms**

Washington - A bill to outlaw ownership by broadcasters of either music publishing or recording firms has been introduced by Sen. George A. Smathers (D., Fla.), along with a vitriolic attack on network domination of the music industry. The bill was referred to the senate com-(Continued on Page 3)

## **S1-Million Purchase Brewing For Mutual**

A \$1-million billings deal is brewing at MBS and may be signed this morning. Diversified Cosmetics of America, Inc., of Newark, N. J., according to reports yesterday, will pull its broadcast budget out of spot TV in 35 major markets and put it into a purchase of time on the radio network.

The prospective sponsor manu-(Continued on Page 2)

### Sees New Revisions In CBC Administration

Montreal - Chester A. Bloom, editorial commentator for Canadian newspapers and independent, non-government owned broadcasting stations, in a broadcast by the 70 member stations of the Radio Bureau, said that the CBC "mo-(Continued on Page 4)

#### "Gray Ghost" Now Sold In More Than 75 Marts

"The Gray Ghost," television series based on the exploits of Colonel John Singleton Mosby, has had a phenomenal increase in sales and now includes more (Continued on Page 2)

## **Broadcaster Tax Load In New York Probed**

Representatives of broadcasting interests in the New York areanetworks and stations-met yesterday with the special deputy comptroller of the City of New York to discuss taxes, specifically the three per cent sales tax and the gross receipts tax.

Although no specifics could be learned of the session, which was one of many held over the past several months in an attempt to come to some sort of agreement related to taxes in the broadcast field, it was learned that the tax on film, and the gross receipts tax (one-quarter of one per cent) as it affects production, are the two major sore points.

The sessions with city tax of-(Continued on Page 4)

#### NBC Radio Sales Policy To Be National Deals

Spokesmen for NBC Radio yesterday stated that the sales policy of the web will be to sell the network nationally with no regional or area deals to be offered. The network currently has two deals which cover particular areas of the country but these remaining commitments are for pro-

(Continued on Page 3)

Writers Guild Balks At TV Producers The Writers Guild of America West charges noncompensation against producers for having to write a beginning, middle and end for ideas or outlines sub-mitted to them on basis of pilots shown.

## U. S. Lifts China Ban; Newsmen May Travel

Washington Bureau of RADIO-TV DAILY Washington-The State Department yesterday announced it would permit 24 U.S. newsmen to go into Red



sis for a period of six months. This marks another turn in the long battle of U.S. printed and broadcast news media for permission to send reporters into that countrv.

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Ted Koop, president of the Radio-Television News Directors Association immediately issued a statement in which he said the (Continued on Page 4)

## Webs Accounted For Almost Half

**Of Volume** 

TEN CENTS

Washington Bureau of RADIO.TV DAILY Washington—Total Television broadcast revenues in 1956 rose to \$897 million, up 20.4 percent over 1955, and all segments of the industry did better in 1956 than during the previous year, accord-ing to final TV broadcast financial data for 1956 released by the FCC yesterday. The (Continued on Page 3)

# **Telemeter** To Start In Canada In 1958

The Telemeter Corporation's International division is planning to commence operations in Canada by the end of 1958, it was announced today by J. J. Fitzgibbons, president of Famous Players Canadian Corporation, Ltd., a Canadian chain with 379 theaters. Fitzgibbons is a strong pro-ponent of Pay-TV and feels that the system remains the only sal-(Continued on Page 8)

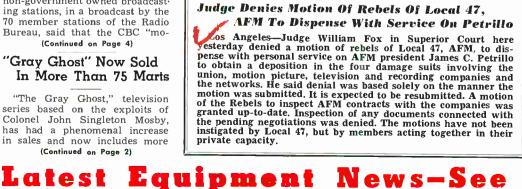
#### **Denies Allegations** In "Conquest" Charges

Irving Gitlin, director of public affairs for CBS, issued a statement late yesterday afternoon categorically denying any connection between "Conquest," a new CBS-TV science series, and "Creative (Continued on Page 3)

#### TvB Board Meeting Set; 15 New Members Enroll

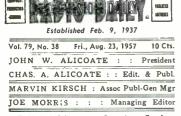
A board of directors meeting of the Television Bureau of Advertising will be held Aug. 27 at the Edgewater Beach Hotel in Chicago, it was announced yester-(Continued on Page 4)

**ddes** 



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#### \$1-Million Purchase **Brewing For Mutual**

(Continued from Page 1)

factures two hair preparations. Agency representing diversified Cosmetics of America is Dunnan Jeffrey, of Newark. MBS spokesmen would neither confirm nor deny the deal when queried yesterday.

#### WWJ-TV Coverage

Detroit-As a special service to this newspaperless town, WWJ-TV is flying-in exclusive films of the Senate Rackets Committee hearings from Washington. The films are shown twice daily, 12:30 p.m. to 1:30 p.m., and 11:30 p.m. to 12:30 a.m.





"FABULOUS FOUR" FLOAT. Typifying a WOWO Record Hop, a group of teenagers danced to popular music on a Peony Parade float which car-ried huge portraits of WOWO's popular deejays, "Fabulous Four." Over 125,000 people saw the annual parade in the Peony Capital at Van Wert, Ohio. Entire festivities were broadcast over Westinghouse Broadcasting's Fort Wayne station WOWO. (WBC Advt.)

## **COMING and GOING**

DICK BIDDLE, WOWL and WOWL-TV, Flarence, Ala., to New York early next week on business with William G. Rambeau Co., representatives.

JACK TEITOLMAN, president of CKVL, Mantreal, Canada, back to his desk fallowing conferences in town at Danald Cooke, Inc., representatives. 0

ROBERT PHILLIPS, WSGW, Saginaw, Mich., in town far visits at John E. Pearson Co., representatives.

JERRY SILL, president and station manager of WFPG, Atlantic City, N.J., in town conferring with Walker Representation Company executives.

CHARLES BOLAN, KWTX-TV, Waco, Texas, in New York for visits at Paul H. Raymer Co., inc., representatives.

DOCTOR HALEY BELL, WCHB, Detroit, Mich., in New York visiting John E. Pearson Co., representatives.

#### **Combine Disney Talent** For Royal Road To Oz"

st Coast Burcau of RADIO TV DAILY Los Angeles—Walt Disney, believing he will reap world-wide benefit for his theatrical product from his extensive TV activities, will put his theory to test with his first all live-action musical.

This feature, the multi-million "Rainbow Road to Oz," goes before the cameras in November for release late next year or early 1959. Having "paved the way" for a new crop of movie stars through the showings of his "Mouseketeers" on TV in the U.S. since 1955, and now set in South America, Australia, Canada, England and Europe, Disney for the first time will feature all the star youngsters in one feature.

N. N. BOSTICK, KWTX-TV, Waco, Texas, in tawn this week conferring at Paul H. Raymer Co., Inc., statian representatives. .

JOHN SCHACHTEL, songwriter, to New York for radio and television appearances.

CARL GLADE, WKBN-TV, Youngstown, Ohio, in New York for conferences with executives of Paul H. Raymer Ca., Inc., station representatives.

PAT BOONE and family arrive this morning fram Hollywood for the star's preparation of his forthcoming ABC-TV show to debut in October. •

BOB ENOCH, WXLW, Indianapolis, Ind., in New York visiting John E. Pearson Co., representatives.



NEW YORK STOCK EXCHANGE

				Net
	High	Low	Close	Chg.
AB-PT	181/8	18	18	1⁄4
Admiral Corp.	91/4	91/8		
A. T. & T1	741/2			+ 1/8
Avco Mfg	43	43	43	••••
Avco pfd	293/4	295/8	295/8	— ½
CBS A	293/4	295⁄8 291⁄4	295⁄8 291⁄4	- 1/8 - 3/8
CBS B Gen Elec	293⁄4 655⁄8	29 1/4 647/8	29 % 65 %	- <sup>1</sup> /2
Magnavox	36	351/2	36	
Philco	147/8	143/4	143/4	
RCA Common.	343/8	337/8	337/8	1/2
RCA 1st pfd	667⁄8	665/8	667⁄8	+ ½
Stew-Warner .	361/8	361⁄B	361⁄8	— ½
Storer B'd'g	251⁄4	25	251/4	+ 1/8
Sylvania El	365⁄8	36	36	— ½
Sylvania pfd .	82	B2	B2	
Westinghouse.	623⁄4	623/8	623⁄4	— ½
W'house pfd.	81	81	81	+ 11/4
Zenith Radio.1	091/2	1083⁄4	109	— 11/2
AMERICAN STOCK EXCHANGE				
Assoc Artists	97⁄a	93/8	93/8	— ½
Du Mont Lobs	41/2	41/2	41/2	
Guild Films	27⁄в	27/8	27⁄8	· · · · · · ·
Hazeltine	331⁄2	327⁄8	331/2	+ 1/2
Nat'l Telefilm	81⁄4	81/8	8½	
Skiatron	77⁄8	75⁄8	75⁄8	— 1⁄4
OVER THE COUNTER				
			Bid	Asked
Dumont pfd			11	121/2
DuMont Broadc	asting		B 5∕8	91⁄4
Official Films			11/2	17⁄8
Telebraadcaster	s, Inc.		21/8	23⁄4

#### 'Gray Ghost" Now Sold In More Than 75 Marts

#### (Continued from Page 1)

than 75 markets. Sales are rapidly climbing toward 100 markets, reports Thomas W. Moore, general manager of CBS Television Sales.

Clients' operations encompass department stores, grocery chains, breweries, food manufacturers, bakeries, dairies, optical and jewelry companies and automobile dealers.

• R. H. KLEIN, station and commercial manager of WCCC, Hartford, Conn., in town for conferences at the Walker Representation Co.



## TV Revenues Hit New Volume Peak In '56

#### (Continued from Page 1)

three networks and their 15 owned and operated stations accounted for \$442.3 million of broadcast revenues, or about 49 per cent of the industry total, up from \$374 million in 1955. The 95 pre-freeze stations, all VHF, had \$260.7 million in broadcast gross, up from \$230 million in 1955. The 269 post-freeze VHF's took in \$161.4 million, up from \$112.2 million in the previous year, while the 95 UHF's grossed \$32.5 million, an increase from \$28.5 million in 1955.

The nets and O-O's had \$356.9 in broadcast expenses in 1956, compared to \$306 million in the preceding year. The 95 pre-freeze V's had \$171 million in expenses, as opposed to \$148.1 million in 1955. The 269 post-freeze V's had expenses of \$145 million, compared to \$107.4 million in 1955, while the 95 U's had expenses of \$34.4 million, compared to \$33 million.

In the profit column, the 3 nets and their O-O's had total net before federal income tax of \$85.4 million, up 26 per cent from \$68 million in 1955. The 95 prefreeze V's had profits of \$89.7 million, up from \$81.9 million, the 269 post-freeze V's had profits of \$16.4 million, up from \$4.8 million in 1955, while the 95 U's lost \$1.9 million compared to total losses of \$4.5 million in 1955.

Total industry broadcast revenue of \$896.9 million in 1956 compared to \$744.7 million in 1955 and \$593 million in 1954. Total industry broadcast expenses of \$707.3 million in 1956 compared to \$594.5 million in 1955 and \$502.7 million in 1954. Total profits before federal income tax of \$189.6 million were 26.2 per cent over the \$150.2 million chalked up in 1955. In 1954, total industry profits were \$90.3 million.

#### TV Show Features Ad Agency Function

Milwaukee, Wis. — WITI-TV will present "Art and You" next Saturday at 3:30 p.m. The TV program will present several phases of the inner workings of an advertising agency and how it brings the various art forms to the public through motion pictures, radio and television commercials, billboards, newspaper lay-outs and advertising designs.



## NBC Radio Sales Policy To Be National Deals

(Continued from Page 1) grams which have been on the web for almost 15 years.

The two remaining deals are the Sun Oil Co. "3 Star Extra" which covers the Sun Oil markets along the East Coast, and the Amoco five minute song hit program which is aired within the "Monitor" service but is not a part of "Monitor." The latter program is aired in Amoco markets in the East and Midwest.

NBC Radio spokesmen stated yesterday that they do not intend in the future to be selling on a basis of national spot sales. They will be selling participations in programs on a full-network basis.

#### Denies Allegations In "Conquest" Charges

#### (Continued from Page 1)

Frontiers," another science series originated and owned by Celia Raeder.

A letter sent to the Columbia Broadcasting System by Miss Raeder's attorney, Edward A. Winkleman, accused the network of plagiarism and was "in contravention of fair business practices . . and closely parallels, if it does not actually appropriate, the ideas, format, contents and scope of our client's said show. . . She has instructed her attorney to prevent the appropriation of her program and ideas by CBS, Monsanto Chemical Corporation and the American Association for the Advancement of Science.

"Conquest is an original idea," stated Gitlin, "conceived with the Public Affairs department of CBS, and like all ideas we put on the air, a thorough title and property procedure is followed before any show is aired."

Miss Raeder is the plaintiff in an action against The New York Times and the Estate of Waldemar Kaempffert, in which she is seeking the recovery of a total of \$20,100,000, claiming that the defendants conspired together for the purpose of preventing her from producing her show.

On one occasion, Miss Raeder claims, the Columbia Broadcasting Company had reached the

# Smathers Bill Stirs Music Controversy

#### (Continued from Page 1)

merce committee and the chairman of that group, Sen. Warren Magnuson (D., Wash.), quickly pledged full hearings on the measure by January.

Smathers told the Senate, "for many years, and particularly in recent years, the American people have been deprived of the opportunity to hear over radio and television all the music they may like to hear, and frequently they are deprived of the opportunity of hearing new and dramatic songs, because those songs do not come from the right, or controlling, organization. This action has jeopardized to a great extent our entire musical heritage-and if continued threatens the calibre of the music of the future.'

He said that the broadcasters set up BMI in 1940 in order to be able to pay ASCAP less, and this was "the beginning of the end of the public's freedom to listen to all types and kinds of music unrestricted by monopolistic practices."

A musical composition has little chance to succeed unless it is both recorded and played on Radio and TV, he said. He noted that CBS bought Columbia Records and NBC's parent company, RCA, bought Victor. This made an "in-terlocking combination," he charged and said, "consequently, the public today, to a great extent, is a captive audience. It is being forced-fed a brand of music not always to its liking." He argued that great works of the past might not have been available if written under these circumstances and said women's clubs with total memberships of five and one-half million have protested these practices.

Smathers argued that his bill would mean great composers could again have "equal opportunities," that it would mean an end of network "censorship and control" over music, and that it would restore "the free atmosphere of our competitive democratic system" to music.

The Senate was told "I am convinced that it is not in the public interest to have the networks and radio and television stations engaged in the music publishing and recording business. This legislation is designed to save them from their own excesses.

Sen. Magnuson noted that his powerful committee had been hesitant about taking the matter up in the absence of a specific bill in view of the fact that the BMI-(Continued on Page 4)

#### continued on Page 4)

stage of budget discussions and the show was under consideration on three separate occasions.



# U. S. Lifts China Ban; Newsmen May Travel

(Continued from Page 1)

association regards the action as a great step forward "in giving the American people detailed, accurate information about world affairs."

Koop added, "we regret, however, that the department did not see fit to include cameramen in the group, because television news film is an integral part of modern presentation of the news. We hope the department will reconsider this point."

One representative each from all of the newspapers, television networks and wire services involved in the long dispute will be permitted to enter the mainland.

News directors at the three major TV networks expressed gratification at the announcement last night. Each will immediately dispatch one man, who will have to be a combination cameramancorrespondent. It is expected that the networks will continue to fight for additional men, and for the elimination of all stipulations on newsmen in Red China.

#### TvB Board Meeting Set; 15 New Members Enroll

(Continued from Page 1)

day by Norman Cash, president. A total of 15 members have joined TvB since the last board meeting, according to Bill Colvin, director of station relations. The new members are:

WCKT, Miami, Fla.; WDAM-TV, Hattiesburg, Miss.; KEDY-TV, Big Spring, Texas; KCRA-TV, Sacramento, Calif.; WISH-TV, Indianapolis, Ind.; WSEE, Erie, Pa.; KTWO-TV, Casper, Wyo.; CKCW-TV, Moncton, New Brunswick, Canada; KNTV, San Jose, Calif.; WKXP-TV, Lexington, Ky.; KGEZ-TV, Kalispell, Mont.; WRAL-TV, Raleigh, N. C.; WLBR-TV, Lebanon, Pa.; and WSVA-TV, Harrisonburg, Va.

#### **Smathers Bill Stirs** Music Controversy

(Continued from Page 3) ASCAP hassle is in the courts. But with the Smathers bill in the hopper, he said, "this is a matter of such importance to the people of America that I am sure by next January there will be very favorable consideration by the committee at least with regard to having hearings and discussing the bill fully."

Several other Senators commended Smathers for introducing the bill, including Sen. Barry Goldwater (R., Ariz.), who quoted Hoagy Carmichael as saying he hasn't been able to get a song published since BMI was started.



**By TED GREEN** 

• Why rap anyone for trying to give people a start in life? We can't understand the criticism in some of the columns which take pokes at the "Bride and Groom" program. "Undignified" they snort. "Not in good taste" they chorus. I disagree. Marriage is a happy, joyous affair and when most people are getting wed they want the world to know about it. Most couples on "Bride and Groom" are folks of moderate circumstances and the gifts they receive from the show help to start their married life on a very comfortable note. "Bride and Groom" is a poetic couplet that critics should recognize and save the ammunition for more vulnerable TV productions.

> \* 23 \* \$

• Sammy Kaye's newest on the Columbia Label, "Moonlight Swim" backed with "Mary Lou" looks like a sure hit. A real ear-catcher. . . . TV's Jean Martin makes her screen debut in "Jamboree," a rock 'n' roller to be released by Warner Bros. This fall. . . . Sudden thought: Is Warner Bros. ogling Elaine Malbin? ... Madison Ave. boys talking about Sam Levenson and his "Two for the Money" going off the air Sept. 7. They all agree that Sam should stay on the air.-And we definitely agree, so fellows don't talk about it, do something about it. Incidentally, we don't think TV has really exploited Sam's potentials.

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ROBIN

MEET: TINA ROBIN, who was born 19 years ago in Newark, N. J. By the time she was nine, Tina was singing "professionally" at weddings, bar mitzvahs, etc. Her unique style of singing was soon discovered and at 12 Tina made her first TV appearance as one of Marie Moser's Starlets over Newark's WATV. At 16 she entered another facet of the music business by starting to write songs. This led to a number of recording dates for small labels.. On the Bert Parks' show "Hold That Note," she was accepted as a contestant and didn't leave until she had racked up some \$30,000, a Coral Record contract, a GAC agentship and the start of an

illustrious career. Tina is a "belter," described as a cross between Kay Starr and Ethel Merman.

#### \$ 23 53 - The

• Wednesday night at 9:30 p.m. on CBS Radio a new • • and different type of a show titled "Face-To-Face" preemed with Arnold Michaelis as "Guest-at-Large." The show sets out to construct conversational portraits, guided and developed by Arnold. In the opinion of this pillar "Face to Face" has an exciting future, because Michaelis as "Guest-at-Large" not only gets in the homes of the personalities but into their minds and hearts as well.

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\* 25

• Wasn't Mimi Benzell sensational on the Spike Jones • show Tuesday night. This gorgeous gal more than once has proven her versatility for TV. We certainly think she should be a TV regular.... Jubilee A&R man Morty Palitz looking for a Japanese girl singer to record some jazz tunes. . . . And one looking for a talented and charming charmer for your copy or production departments? If so we can highly recommend a li'l southerner by the name of Jan Freeland. She's now production manager of the Walter J. Klein Co., of Charlotte.

> \$ \$ 23

## **Broadcaster Tax Load** In New York Probed

(Continued from Page 1)

ficials, it was reported, are largely amicable and exploratory at this point, but taxes here have been blamed for the alleged move of production to the Coast, and it is speculated that the city will have to come to an understanding with broadcast interests here if they want to stop additional moves to outlying areas such as New Jersey and upstate New York.

#### Sees New Revisions In CBC Administration

(Continued from Page 1)

nopolists" are beginning to be frightened at prospect of losing control over the many times more numerous independent broadcasting stations.

Bloom, in his address, said that Prime Minister John Diefenbaker and his cabinet ministers and the new cabinet is committed to end CBC practices.

Bloom stated that Prime Minister Diefenbaker will carry out pledge given May 4 last at Moncton, N. B., that the Conservative Party intends to appoint a semijudicial board to adjudicate matters between CBC and the independent stations.

Mr. Bloom, in saying that the new government will go a long way in reforming CBC, pointed to the three amendments moved by Conservative members in last sitting of the House of Commons committee on broadcasting. The first Conservative amendment moved by the Conservative members repudiated CBC policy of licensing, regulating and controlling the independent broadcasting stations. Those functions, it held, should be conferred on a separate regulatory tribunal, operating only in the public interest. The second Conservative amendment reaffirmed the principle of freedom of expression but asked CBC to revise its regulations to prevent Communist party obtaining free political network. The third Conservative amendment attacked the spending of the CBC.

A fourth Conservative amendment at the committee meeting voiced a growing nation-wide demand for removal of CBC's alleged television monopoly over the six major cities in Canada under the euphonious title of "single service coverage."

#### "Plutarch's Lives"

Milwaukee, Wis .- The Milwaukee Public Library will present a review of the life and works of the widely read Greek essayist and biographer, Plutarch on WITH-TV's "An Open Mind." The show will air Sunday, Sept. 1.



NEW YORK, FRIDAY, AUGUST 23, 1957

# Device Expected To Double I-O Life WESCON Honors Three Industry Pioneers

## Elwell, Fuller, Perham Recognized As Leaders In Western Electronics

San Francisco—Three men whose professional careers have spanned half a century in the development of electronics in the West were honored Tuesday in ceremonies opening the Western Electronic Show and Convention. Cyril F. Elwell of Los Altos, Calif.; Dr. Leonard F. Fuller of Palo Alto, Calif.; and Douglas M. Perham of New Almaden, Calif., were recognized as "Pioneers of Western Electronics" in a brief program inaugurating the ninth annual western trade show and technical program for the nation's electronics industry and profession.

#### **Poulsen Pioneer**

Elwell, who still is active at 73 as a consultant to the Hewlett-Packard Co., entered Stanford University in 1903 as an electrical engineering student. In 1908 he conducted experiments in radiotelephony between Palo Alto and Los Altos. The following year he went to Denmark to investigate the possibilities of the Poulsen arc generator for a commercial continuous wave system.

Returning to California with an option to buy the U. S. patent rights, Elwell formed the Poulsen Wireless Telephone & Telegraph Co., becoming its president and chief engineer. The company later was reorganized as the Poulsen Wire-Federal Telegraph Co., of which he was director and chief engineer. In the following years, (Continued on Page 6)

### Hi-Fi Phone Lines Carry WFMT Broadcasts

Chicago—FM station WFMT will broadcast from the Institute of High Fidelity Manufacturers 1957 Chicago Music and High Fidelity Show at the Morrison Hotel, Sept. 17-21, it has been announced by Bernard Jacobs, station president. The station's broadcasting facilities at the show will be linked with the main studios via high fidelity telephone lines. Broadcasts will concentrate on new releases, both tape and LP disks, selected for their hi-fi value. WFMT pioneered high fidelity in this city and was awarded the duPont award for "meritorius service to the American people."



New at the institute of High Fidelity Manufacturers 1957 Chicago Music and High Fidelity Show, Sept. 17-21, will be this completely electronically driven turntable manufactured by Fairchild Recording Equipment Co. Four speeds are selected by feeding a hysterisis motor with specific frequencies supplied from a selfcontained variable signal generator.

## RCA Semiconductor Div. Realigns Engineering Staff

Somerville, N. J.—Realignment of the engineering staff of the RCA Semiconductor Division has been announced by Dr. Alan M. Glover, general manager. The move was made, he said, to prepare for the rapidly expanding potentials in semiconductors created by technical advances in the design and development of transistors and diodes.

#### **Six Appointed**

Dr. Glover said that in the revised organization Dr. L. Malter, chief engineer, will assume additional responsibility for the coordination of all engineering programs including product and equipment development. D. H. Wamsley is appointed manager, engineering department. Reporting to him will be R. M. Cohen, manager, entertainment product development; Dr. R. B. James, manager, industrial product development; L. R. Shardlow, manager, engineering services; and Dr. W. M. Webster, manager, advanced development.

#### Nashville Broadcasters Pioneer Instrument, GE Acquires Patent Rights

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Syracuse, N. Y.—An electronic device about the size of a cigar box, which attaches to the outside of a television camera, is expected to double the life of costly picture-originating tubes, it has been announced by General Electric's technical products department. The device, as yet unnamed but described as an imageorthicon life extender, is said to be a major innovation for TV broadcasters. It prevents burn-in and sticking of images on I-O or image-orthicon tubes.

#### **Pioneered By Broadcasters**

Paul I. Chamberlain, manager of marketing the department's broadcast equipment, said John H. DeWitt, Jr., and Aaron C. Shelton, president-general manager and chief engineer respectively of WSM-TV, Nashville, Tenn., spent about a year developing and perfecting the device. In tests at the station, the "tube-saver" enabled an I-O tube to be used effectively on one camera for more than 1,400 hours. On another camera, an I-O tube previously discarded at 700 hours as totally useless has clocked more than 1,200 hours of effective use.

General Electric has acquired patent rights for immediate marketing of the new device "because an urgent need for this type of device has long been recognized," Chamberlain explained.

A common ailment of TV camera image-(Continued on Page 6)

#### Texas Broadcasters Buy Remote Pickup Systems

Eight Texas radio stations have purchased remote broadcast pickup systems to provide more effective news coverage of such emergencies as the recent weather disasters. General Electric Communication Product Department's district office in Dallas reports new installations of such equipment at WRR, WFAA and KRLD, Dallas; KXOL, Fort Worth; KSST, Sulphur Springs; KRRV, Sherman; KBST, Big Spring; and KLTV, Tyler. Most of the systems operate on the 150-megacycle frequencies to eliminate "skip" interference. GE's Progress Line 50-watt base stations and 50-watt mobile units are used.

# Device Extends I-O Tube Life; Improved Studio Techniques Seen

#### (Continued from Page 5)

orthicon tubes is burn-in and sticking of images, an imprint on the tube which distorts the pictures transmitted to home receivers. When this happens, I-O tubes must be discarded, and since they sell

## WESCON Honors Pioneers In Western Electronics

#### (Continued from Page 5)

especially during World War I, he designed and installed many of the first radiotelegraph communications stations in Europe, Central America and Hawaii.

#### **Electronics Educator**

Dr. Fuller became an amateur radio station operator in 1906, at the age of 16, and later took engineering studies at Cornell and Stanford Universities. He was chief electrical engineer for Federal Telegraph Co. from 1913 to 1919 and was responsible for many major developments in radio transmission. He was awarded the IRE Morris Fiebmann Prize in 1919. For thirteen years, beginning in 1930, Dr. Fuller was professor of electrical engineering and chairman of the Electrical

For thirteen years, beginning in 1930, Dr. Fuller was professor of electrical engineering and chairman of the Electrical Engineering Department of the University of California at Berkeley. He later became an acting professor of electrical engineering at Stanford and retired in 1954.

#### **Industry Historian**

Perham became interested in electrical engineering in 1898 as a high school student at Stockton, Calif. In 1906 he started research experiments in wireless techniques at Palo Alto. Two years later he joined Elwell in the development of the Poulsen arc and was installation engineer for the first transmission hook-ups in San Francisco, Stockton, Los Angeles, San Diego, El Paso and Fort Worth.

Early in the 1920's Perham built and operated the first radio station in the State of Iowa. Rejoining Federal Telegraph in 1928, he has been associated with electrical and electronics engineering in the West ever since. He now is co-owner and manager of the New Almaden Museum and is chairman of the WESCON Historical Exhibit.

#### Group Holds Symposium On Writing And Speech

The IRE Professional Group on Engineering Writing and Speech will hold its first national symposium at the Sheraton-McAlpin Hotel, Oct. 21-22. Talks to be given in five sessions include Engineering Writing Is Different, Tricks Of The Trade, When You Write For The Air Force, More Senses Make More Sense, Should A Talk Be Read From A Prepared Manuscript?, Scientific Staging, Ten Commandments For Good Speaking, Does It Have To Be Slides?, Technical Films—A Luxury Or A Necessity? and What Magazine Are You Writing For? for about \$1,200, considerable expense is entailed for TV stations. Under average station use, life of the sensitive and temperamental tubes ranges from about 200 to 1,000 hours. Thus they must be replaced from two to ten times yearly. With the new "tube-saver," I-O tubes are expected to last twice as long.

#### New Studio Techniques

The device also is expected to improve studio camera techniques. In most "live" shows, at least two cameras are used. While one is transmitting, the other is "alive" but not on the air. Prior to development of the "tube-saver," cameraman number two was required to keep his camera in motion to prevent burn-in or stickiness of the scene to be televised. With the new device, he no longer is required to concentrate on his problem and can spend more time studying camera angles and improving techniques with no danger of burn-in.

Principle of the device is an electronic deflecting system used to move or "wobble" the TV image inside the I-O tube. Thus burn-in or sticking is avoided. To offset the wobble, a scanning beam inside the tube follows and automatically compensates the wobble, causing the transmitted picture to appear as a normal stationary image on home TV receivers. The complete unit is comprised of about 50 small parts including six capacitators, a synchronous resolver and a drive motor.

#### **P-N-P Transistors**

Somerville, N. J.—Two new hermetically sealed transistors of the germanium p-n-p type have been developed by the RCA Semiconductor Division, according to Frank F. Neuner, marketing manager. The RCA-2N398 is an alloy junction type, specifically designed for direct operation of high-voltage on-off control devices. The second type, RCA-2N384, is a new drift transistor for use as an oscillator up to 250 Mc, or as an rf amplifier in compact mobile communications equipment.

#### **Closed-Circuit Camera**

Pleasantville, N. Y.—General Precision Laboratory, Inc., has announced a new self-contained closed-circuit television camera with associated remote control accessories. The vidicon camera, designated GPL Model PD-500, complements the company's present Model PD-150 for industrial applications and the Ruggedized Model PD-152 for extreme environmental conditions. Remote control kits are provided for remote operation of lens iris, focus and turret.

Controls for electronic focus, beam and target, horizontal and vertical centering, horizontal frequency, and both horizontal and vertical drives are displayed prominently on the back of the 5" by 7½" by 12" housing. Both RF and video signals are distributed directly and simultaneously from separate connectors supplying a 525-line picture to video monitors or standard TV reecivers. Horizontal resolution is 400 lines or better and only five foot candles of illumination are needed for acceptable pictures.



The Institute of High Fidelity Manufacturers, Inc., a non-profit association of manufacturers of hi-fi component parts, will sponsor its first Chicago Music and High Fidelity Show at the Morrison Hotel, Sept. 17-21. A roundup of exhibitor activity reported thus far is as follows:

KLIPSCH & ASSOCIATES, manufacturers of the Klipschorn, Shorthorn-S and Shorthorn-T will demonstrate its now "Klipsch's Hersey," a non-corner system designed for the center channel of threechannel stereophonic systems. The Klipsch exhibit will feature three-channel stereophonic sound derived from two-sound tracks by recovery of mid-channel from a mixture of the outer tracks.

GROMES DAVISION, PRECISION ELECTRONICS, INC., Franklin Park, Ill., will exhibit L-J6-10PG8-15PG8-207A preamplifiers; 10-watt and 20-watt preamplifiers; basic 50-watt amplifier kits, GRT 100 tuner and Model 203 switchbox for dealer use. A new simplified system of amplifier kit assembly will highlight the display.

SHERWOOD ELECTRONIC LABORA-TORIES, INC., Chicago, will conduct oscilloscope demonstrations of a new 36watt (72-watt peak) amplifier. The firm also will exhibit FM-AM tuners and threeway speaker systems.

**PICKERING & CO.**, **INC.**, Oceanside, N. Y., will show its Isophase Speaker, 370 Single Fluxvalve magnetic cartridge and 194 Unipoise arm. The Isophase Speaker utilizes the electrostatic principle to reproduce sound at a constant level over a curved diaphragm rather than through a cone.

**R. T. BOZAK SALES CO.**, Darien, Conn., will emphasize its "Stereo Phantasy," the new B-304 stereophonic speaker system in a single cabinet.

**ERCONA CORP.** will present the new English Vitavox speaker to the American public for the first time. Vitavox DU 120 speakers incorporate specially designed units for base and treble an electromechanical filter system to apportion the output of the amplifier between the two units.

ACOUSTIC RESEARCH, INC., Cambridge, Mass., will show its AR-1 and AR-2 "acoustic suspension" speaker systems.

ALTEC LANSING CORP., New York, will display the new 344A Quartet composite amplifier, a new stereo amplifier and several new loudspeaker systems including new and improved versions of the company's "Duplex" 601B, 602B and 604D speakers.

THE MARANTZ CO., Long Island City, N. Y., is planning a special demonstration of a deluxe system using Marantz preamplifiers, electronic crossovers and amplifiers in a three-channel arrangement of three-way speaker systems.

WESTMINSTER RECORDING CO., INC., New York City, will demonstrate new advances in stereophonic tape reproduction. The firm also will demonstrate its new Sonotape pre-recorded tapes at 15-minute intervals.

## IRE Names Dr. Watkins Recipient Of Electronic Achievement Award

San Francisco-Dr. Dean Allen Watkins of Stanford University will receive the 1957 Electronic Achievement Award of the of Seventh Region, IRE, during a special all-industry luncheon today at WESCON. The citation for Dr. Watkins' award is for "his basic contributions in reducing noise in microwave electron tubes.

The specific contribution, which is not well known outside the few dozen people working in noise research, is the basic scheme of noise reduction by space-charge wave transformations in the gun of a microwaye tube. This principle, developed in his Ph. D. thesis, has made possible the reduction of minimum attainable noise figures of traveling-wave tubes from about 15 decibels in 1949 to a value as low as five decibels at present.

#### **Helitron Inventor**

Dr. Watkins received national attention earlier this month with the announcement of his invention of the "Helitron" tube which permits instantaneous radar tuning over a prodigious range of microwave frequencies. The new tube has been heralded as a major achievement with vast poten-tial in color TV, FM and UHF broadcasting and radiotelephone systems.

## **TV Links Florida With Cuba** In 185-Mile Broad Jump

Television has set a new record for the running broad jump-a 185-mile over-the horizon leap—with completion of Inter-national Telephone & Telegraph Corpora-tion's Florida-Cuba broad-band micro-wave system, which carries more than 100 telephone channels plus a "path" for TV. The system was designed by Federal Telecommunications Laboratories, the research and development division of IT&T.

Research Saga The search to find ways of expanding the already overcrowded radio frequency spectrum began in the 1920's. Engineers turned their attention to microwaves, the very short radio waves capable of carrying many messages on a single carrier fre-quency, but limited, they thought, to straight line distances. It later was noted that so-called "freak" line-of-sight microwave transmissions reflected or refracted from the troposphere, the level of air beneath the stratosphere, were much strong-er than had been imagined at distances of 100 to 500 miles. Exploration of this potential led to today's electronic bridge across the Caribbean Sea.

The essential difference between line-of-sight and over-the-horizon transmis-sions lies in harnessing the microwaves' "scatter" effect. In line-of-sight transmission, signals are sent in a concentrated beam from transmitter to receiver. In over-the-horizon communications, which employ high-power transmitters and highgain antennas, the signals which scatter from the main beam are received through the high-gain antenna and amplified to become useful signals again.

#### **Broader Band**

The IT&T system differs from others through use of a frequency band broad enough to accommodate television as well as telephone conversations. Conventional "O/H" systems use narrow bands capable of carrying only a limited number of voice or telegraph channels. IT&T engineered the necessary equipment. AT&T under-took installation of overland links from the O/H terminals to the main offices in Miami and Havana.

Dr. Watkins is 35 years old. Early in his career he was design engineer for Collins Radio Co., Cedar Kapids, Iowa. He later spent a year, 1948-49, on the staff of Los Alamos Scientific Laboratories, and in early 1951 joined the research and devel comment laboratories of Hughes Aircraft Co., Culyer City, Calif., where he became head of the microwave tube section.

Dr. Watkins' faculty association with Stanford began in the spring of 1954 when he was appointed associate professor of electrical engineering. He was named an associate director of Stanford Research Laboratories in September, 1954, and was advanced to full professorship in June, 1956. He is a senior member of the IRE and a member of the American Physics Society.

#### **Telemeter Tube**

San Francisco—A new tube developed by the General Electric power tube department for telemetering, broadband test equipment, and microwave communica-tions generally, is on display at the ninth annual WESCON which closes here today. The tube is an outgrowth of develop-mental work on a line of hard-solder types announced by GE late last year. It tilling a voltage tuning principle permit utilizes a voltage-tuning principle permit-ting linear change of oscillation frequency with changes in anode voltage over a wide range of 2.000 to 4.000 megacycles. Power outputs up to 10 watts are possible in operation over a narrow frequency range.

## **Amperex To Manufacture** Special-Purpose Products

Hicksville, N. Y.-Amperex Electronic Corporation has announced its decision to manufacture special-purpose, premiumtype, miniature electron tubes. Such tubes thus far have been manufactured for Am-perex by Philips of the Netherlands, im-ported to the U. S. under the Amperex name, and applications-researched for the American electronics industry by Am-perex engineering teams. The favorable reception of the tubes by American manufacturers of military and commrcial electronic equipment has prompted the Am-perex board of directors to authorize procurement and installation of the necessary facilities to begin domestic production.

The new equipment will be installed during the last quarter of the year, and small quantites of domestically produced tubes will be available early in 1958. Volume production will begin in the second uarter of 1958. Included in the new in-stallation will be specific equipment for the manufacture of Amperex tubes with frame-grid construction.

#### Oscilloscope Amplifier

Palo Alto, Calif.—Hewlett-Packard Co. has developed a high-sensitivity plug-in vertical amplifier for its Model 150A 10-megacycle oscilloscope. The single-channel unit has an input sensitivity of five millivolts per centimeter from dc to 10 megacycles and features very low drift. After half an hour warmup trace drift is less than one centimeter per hour. A vernier control adjusts the sensitivity smoothly between steps of the sensitivity switch and extends the sensitivity to approximately 50 volts per centimeter.

# PERSONALITIES

**O. R. (BOB) COBLENTZ** has been appointed to the newly-created post of manager of marketing for the Hoffman Radio Division, Hoffman Electronics Cor-poration, Los Angeles, it has been an-nounced by Paul E. Bryant, vice president in charge of sales. Coblentz previously was Pacific regional manager for the Tele-vision-Radio Division, Westinghouse Elec-tric Corn Prior to that he was Western O. R. (BOB) COBLENTZ has been tric Corp. Prior to that he was Western division manager for the TV Receiver Division, Allen B. Du Mont Laboratories, Inc.

HAROLD B. DONLEY, manager of dis-tribution, Bryant Manufacturing Co., In-dianapolis, Ind., a subsidiary of Carrier Corporation, is leaving the company to form his own marketing consultation business. Donley has been active in marketing and selling home appliances including radio receivers for 36 years. As generat manager of the Westinghouse Radio Division, 1944-47, he directed that firm's reentry into the home radio manufacturing business.

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FRANK M. VILES has been appointed vice president in charge of manufacture of semiconductors at International Tele-West Coast manufacturing operation at Palo Alto, Calif. Announcement was made by Burrell A. Parkhurst, president, IT&T Components Division, Clifton, N. J.

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N. N. WHITE and H. J. CORNYN have been added to the field engineering group of the RCA Semi-conductor Division, it has been announced by T. R. Hayes, sales manager. White has been associated with the engineering staffs of several companies including Link Aviation, Inc. and the Avion Division of ACF Industries, Cornyn was associated with the technical staff of Bell Telephone Laboratories for two years before joining RCA in 1945 as field engineer in the tube division.

KENNETH STAPLETON, Acme Ra-dio Supply, Topeko, Kans., has been elected director of the Missouri Valley Chapter of the National Electronics Distributors Association. He will serve the unexpired term of Merle W. Applebee, Burnstein-Applebee Co., Kansas City, Mo., recently elected NEDA chairman of the board.

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**THOMPSON H. MITCHELL**, president, RCA Communications, Inc., has been ap-pointed general manager of a new Tele-communications Division which will integrate communications and broadcasting activities of the former RCA Commercial Electronic Products organization with RCA Communications, Inc. Announce-ment was made by Theodore A. Smith, executive vice president, RCA Industrial Electronic Products.

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A. R. HOPKINS, formerly manager, Commercial Electronic Marketing Department, has been advanced to manager, Industrial Electronic Marketing Department. He assumes administrative and functional responsibilities for the planning and marketing of all RCA industrial electronic products.

## **Telemeter To Start** In Canada In 1958

(Continued from Page 1) vation to sagging box-office returns.

Fitzgibbons cited complacency as being one of the curses of the film industry and, by getting on the bandwagon now, he feels that calculated errors relative to radio and television, will not occur again as it did during the halcyon era of electronic infancy. "TV is going to force us to do better," Fitzgibbons pointed out.

The "mental anchors" indigenous to the film business, stated Fitzgibbons shortly after a Telemeter demonstration for Canadian exhibitors at the Savoy-Plaza Hotel yesterday, will become unfettered by Pay-TV and will provide the public with the "cheapest form of entertainment" in the history of film presentations.

"Toll-TV is the one answer to bring revenue back to films," he "And we'll be able to bring said. back to the producer a greater revenue than he's ever experi-enced before."

records.

Chronicling the film industry's heyday with what it might become with Toll-TV, Fitzgibbons said that in Canada "even during the best days," theatrical exhibitors only got to 15 per cent of the total population in the Dominion.

Though not specific about actual operations of the Telemeter system, Fitzgibbons feels that Cable-TV (and closed-circuit) is the answer to televising rather than air transmission. He pointed out that up to three channels would be possible with the former and only one channel with the latter, thus expanding Telemeter's usefulness. Also mentioned was the fact that the Canadian Broadcasting Company has similar legislative restrictions to the FCC in the United States. Pending Canadian approval, exhibitors could only transmit by wire.

"Give me a wire into the home," Fitzgibbons said, quoting a Can-adian exhibitor, "and I'll sell anything."

Pointing out that installations in Canada cost 40 per cent more than they do in the United States, Fitzgibbons said that the Trans-Canada Telemeter Corporation would manufacture equipment in Canada and franchise exhibitors throughout the country.

It was estimated that one plant, the corporation is considering for the construction of the Telemeter system, would cost \$750,000 with 3,000 TV sets connected. Possible use of the 90 community antenna systems in Canada was also intimated.

# \* WORDS AND MUSIC \*

#### By TED PERSONS

• • Johnny Desmond has been signed for an acting-singing role in the up-coming United Artists' pic, "Time Is A Memory." ... Comment on the sad state of Calypso. "Bop Girl Goes Calypso," Bel Air Productions' musical starring Judy Tyler, Bobby Troup and Margo Woode, has been retitled "Bop Girl." ... Coral Records' Dorothy Collins begins a week's stand at the Americana Hotel in Miami Beach on Aug. 28th. . . . Congratulations to Otto Harbach, past prexy of ASCAP, who celebrated his 85th birthday last Sunday. He celebrated the occasion by having the score of his latest musical sung.

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• • Doesn't Jack Jason's fine background in the music business and in TV production make him a great bet for some upcoming TV musicals? There isn't too much of this combination of abilities around. . . . Additional argument that Alan Dale is one of the best vocal craftsmen around is being furnished by Am-Par Records in the form of its latest release, "I'll Never Forgive You" b/w "How Very Wonderful."

3.2 • • Seth Larrabee, deejay at WLOB, Portland, Me., possibly set a national record by broadcasting for 108 consecutive hours from an appliance store window. Wonder if he stuck to the top 40

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• • RECOMMENDED RECORDS: CHANCES ARE and THE TWELFTH OF NEVER, Johnny Mathis sings two ballads, one in the lyrical style of "Wonderful Wonderful" and the other in a more dramatic vein. Ray Conniff's backing is perfect. COLUMBIA.

. . . YOMME YOMME. Eartha Kitt in a mildly zany sentiment expressed with her usual verve to a lively beat. Music smacks of the bazaar and gets a grand reading by the Hugo Winterhalter ork. VICTOR. . . . SWINGIN' SWEETHEARTS. Richard Hayes applies his able pipes to a driving-rhythm tune. The Jack Pleis ork. Catchy. DECCA. . . . Program Spice: SIGHTSEEING. A novelty instrumental, Gallic in flavor, featuring the vocalistics of the Wanderers against ork backing. KAPP. . . . GOTTA HAVE SOMETHING IN THE BANK, FRANK and THE DISC-JOCKEY'S THEME SONG. Strong change-of-pace material featuring Steve Allen. CORAL. . A very similar version of the former tune is creditably chortled by Bob Jaxon on VICTOR. ... PARADE OF THE TEDDY BEARS. Slick instrumental by D'Artega and ork on MGM. . . . FORGOTTEN DREAMS. A Leroy Anderson opus played by Frederick Fennell leading the Eastman-Rochester Pops ork.

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• • RECOMMENDED ALBUMS: THE COMPLETE TONY SCOTT. According to the liner legend, clarinetist Tony Scott was "completed" by the experience of leading an ork for a full session, having until this album fronted every other conceivable combo. A swingy, danceable program, including two of Scott's compositions, "Finger Poppin' Blues" and "Time To Go." The sidemen are all hand-picked; and the reason Scott ranks as the No. 1 jazz clarinetist with so many was revealed in his solos. His improvisation not only expresses Scott and shows off his virtuosity, it also stays relevant to the mood and purpose of the composition. VICTOR. . . . LOVELY LADY. No more tuneful music than that of Jimmy McHugh ever graced stage or screen and no more appropriate musical organization than the Frank Chacksfield ork exists to do it justice. Rich scoring of such all-time greats as "I Can't Give You Anything But Love," "On the Sunny Side of the Street" and "Exactly Like You" get full, satisfying reading, LONDON. . . . EYDIE SWINGS THE BLUES. Eydie Gorme keeps coming on. Much maturer conception, much more knowledgable handling of her vocal equipment strongly marks this swingy collection of bluesy sentiments: "I Gotta Right To Sing The Blues," "I Got It Bad And That Ain't Good," et al. The backing by the Don Costa ork is just great. AM-PAR. \$ \$

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