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communications

NEWS

PUBLISHED BY THE COMMUNICATION PRODUCTS DEPT. E. & CR SECTION AS A SERVICE TO ALL LYNCHBURG G. E. EMPLOYEES

SPORTS NATIONAL AND WORLD NEWS - COURTESY W L V A AND LYNCHBURG NEWS AND ADVANCE

VOLUME 1 NO. 70

LYNCHBURG, VIRGINIA

JUNE 15, 1959

ALL - NEW 2-WAY RADIO MODELS UNVEILED

Our Communications Products Department has unveiled an advance design of transistorized two-way radio equipment containing the highest powered transistorized models, the smallest sizes and the lowest battery drain ever to be made commercially available in the mobile communications field.

To be marketed immediately, the equipment has been designated as the General Electric Transistorized Progress Line. It will be available in units up to 75 watts -- the highest output achieved to date in transistorized communications.

From the 75 watt category, the new General Electric line ranges downward to 30 and 10 watt units in sizes as small as 8 5/8 inches wide, 12 inches long and four inches high. Even with the size reduction, the units outperform larger conventional models.

The new line contains the fewest tubes of any mobile radio equipment now marketed. Only three tubes are used in lower wattage categories and four in 30 and 75 watt models.

Miniaturization of the line has been made possible by improved printed circuitry and modular construction manufacturing techniques which were incorporated in the planning for our new plant facility.

Lacy W. Goostree, Jr., manager of marketing for the General Electric Communication Products Department, said the new equipment has been designed, engineered and field-tested over a period of



Above left to right, Lacy W. Goostree, Manager of Marketing and General Manager Harrison Van Aken are shown admiring Communication Products Department's newest two-way mobile radio equipment.

years and that its introduction at this time ushers in a "whole new era of communications convenience and reliability".

According to Goostree, substantial progress has been made in the communications industry in the past in the art of transistorization, but always in lower power ranges.

"General Electric's new line," he explained, "breaks the power barrier by going as high as 75 watts in the smallest transistorized communications package ever offered for vehicular use. Units with this much power offer more talk-back range for vehicles travelling great distances from

their dispatch offices."

Goostree said General Electric's Transistorized Progress Line evolved from a need in the industry for technically-efficient transistorized equipment with reduced size, weight and power consumption but still capable of exceeding rigid military, municipal, industrial and business specifications.

A primary design consideration was lower standby drain, an important point for mobile radio users who find it necessary to hear their two-way radios when they are out of their vehicles.

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Goostree described General Electric's new equipment as a "real current miser that makes the most significant contribution seen in the industry to date in the area of reduced battery drain."

When on "standby" (full sensitivity, ready to respond instantly to a call with full volume output), General Electric's new 75 watt unit uses a negligible 0.040 amps. This is so low, the Company points out, that a driver can leave his radio in the standby position continuously and the drain on the car's battery would be like the drain of the vehicle's clock.

Previously, if a two-way radio were left on "standby" to receive calls for a prolonged period with the engine off, battery problems arose.

In field tests, General Electric engineers left the new units installed in passenger cars running continuously in winter and summer weather under normal operating conditions without the battery requiring attention.

Among engineering techniques which help conserve power is the elimination of power-wasting crystal ovens, the Company said. These are designed out of the unit, saving more than 1 1/2 amps with no loss in frequency stability.

A new circuit design makes possible 0.0005% stability even though the crystal ovens are gone. Module heaters automatically come on when case temperatures drop below zero degrees centigrade and supply heat only when needed.

The receiver and power supply are completely transistorized and use no tubes. The receiver is designed so the final transistors in the speaker operate only when a signal is present. As a result of this type of squelch operation, drain is reduced to a minimum.

Where tubes are used in the transmitter, longer life is made possible through cooler operation. Shielded ventilation allows free passage of cooling air, yet circuit components are protected against moisture and dirt.

COMPANY TO RAISE PRICES OF LIGHT BULBS

General Electric will raise prices of incandescent household bulbs by an average of 16% on June 24, it was announced recently. The announcement, appearing in the Wall Street Journal, cited increasing costs of labor, materials, and shipping as the causes of the boost.

Under the Company's new price schedule, the retail price of a 60-watt household bulb will go up three cents to a total of twenty-four cents, and that of a 100-watt bulb will go up two cents to twenty-five cents. GE lamp prices were last raised two years ago.

At the same time, Sylvania Electric Products, Inc. announced that prices on their 60- and 75-watt bulbs will be increased four cents effective July 1. The Sylvania 60-watt bulb will have a total price tag of twenty-five cents, including the new increase.

Miniature and photo lamps will not be increased in price by General Electric.

LEAGUE STANDINGS

National League
Sunday's Results
Philadelphia 7-6, San Francisco 5-3.
Pittsburgh 6-5, Los Angeles 3-2.
Chicago 8, Milwaukee 0.
St. Louis 5-2, Cincinnati 4-3.

Standing of the Clubs

	Won	Lost	Pct.	Behind
Milwaukee	34	24	.588	—
San Francisco	34	27	.557	1 1/2
Pittsburgh	32	29	.525	3 1/2
Chicago	31	29	.517	4
Los Angeles	31	30	.508	4 1/2
Cincinnati	28	32	.467	7
St. Louis	25	33	.431	9
Philadelphia	23	34	.404	10 1/2

American League
Sunday's Results
Chicago 9-3, Baltimore 6-2.
Cleveland 9-12, Washington 5-6.
Detroit 3-8, New York 2-2.
Boston 6, Kansas City 1. (2nd postponed, rain).

Standing of the Clubs

	Won	Lost	Pct.	Behind
Chicago	33	25	.569	—
Cleveland	31	24	.564	1 1/2
Detroit	31	27	.534	2
Baltimore	30	28	.517	3
New York	27	29	.482	5
Kansas City	26	28	.481	5
Boston	25	32	.439	7 1/2
Washington	24	34	.414	9



Margaret Roach was married to Fred Myers, Saturday, June 13.

Sonja Kijowski was married to Charles Lynch, Saturday, June 6.

Congratulations to both couples!!

GEERA ANNOUNCES DANCE

Norm Prince, president of GEERA announced that the first event of the year will be a dance to be held at Oakwood Country Club on June 27. The dance will be for GEERA members only.

Further details will be announced later this week.

WEATHER - Today, sunny and rather cool with a high of 77. Tonight, fair and cool and a low of 55. Tuesday, generally fair and a little warmer with a high of 81.

G. E. STOCK REPORT - 81.



In the game between GE of Lynchburg and Waynesboro Sunday afternoon, GE of Lynchburg won the first game 3 - 2 and GE of Waynesboro won the second game 8 - 7.

The winning pitcher for Lynchburg was J. D. Allen, who pitched a six-hitter. The highlight of the game was a double hit by Buck Campbell, which brought in the tying and winning runs in the last inning.

Bud Taylor was the losing pitcher for Lynchburg in the second game. Excellent defense play kept the game close until the last inning, when three consecutive errors lost the game. Highlights of the game were a home run by J. D. Allen and triple by Leroy Parker.

The girls won the game Friday night 17 - 13 from Deluxe Cleaners. The winning pitcher was Katherine Combs and a home run was hit by Gail Jones.
