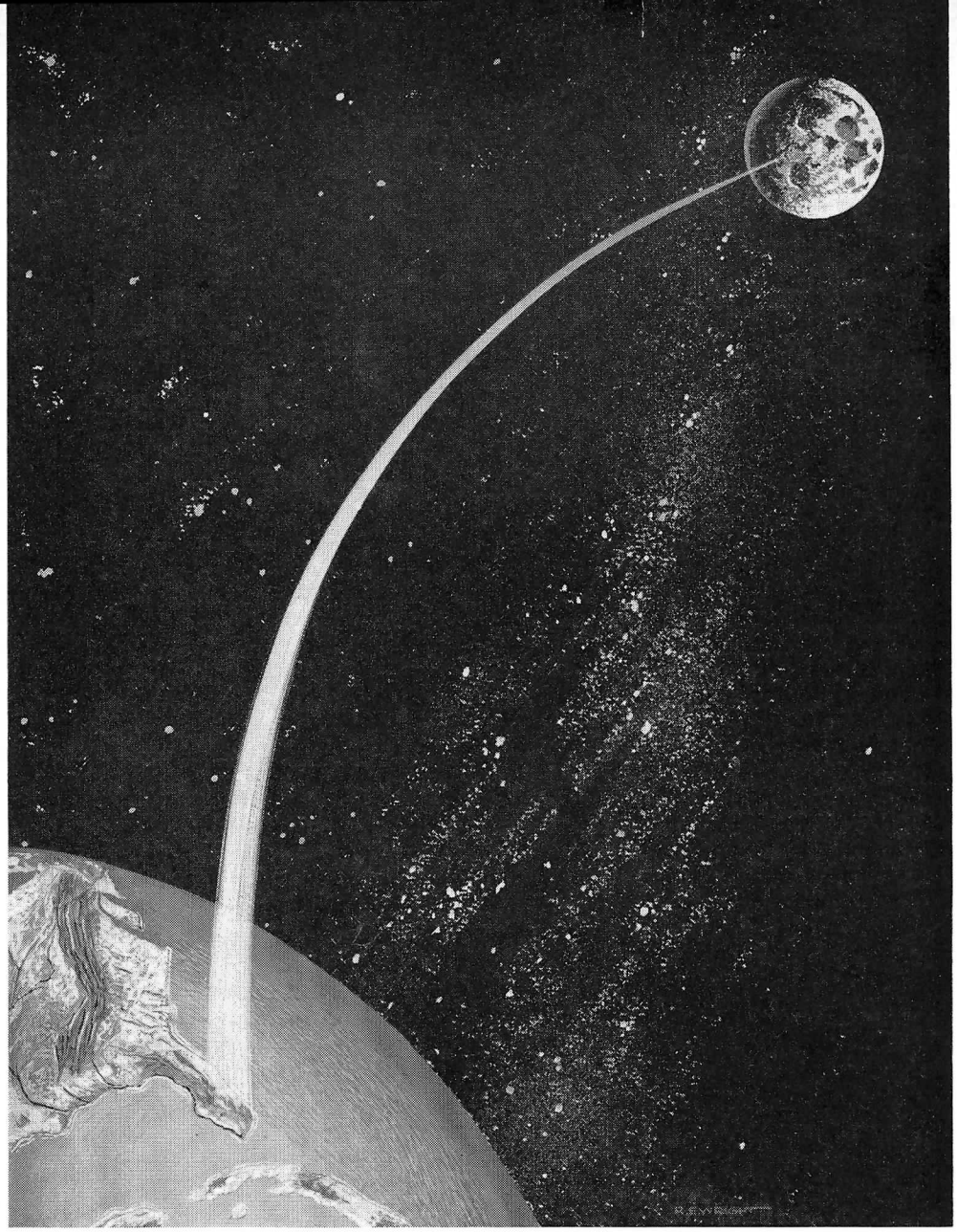
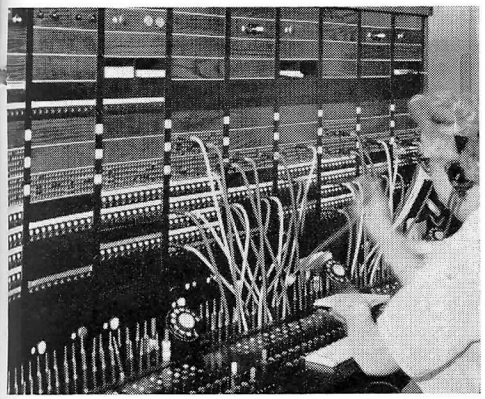


5800 Paths to the Moon



This standard Stromberg-Carlson attendants' cabinet for large dial PBX installations is the type being used in Cape Canaveral area.

SO MANY of the wonders of the world of tomorrow depend on the efficiency of a traditional product of today.

At Cape Canaveral, for example, a single silenced communication line can delay—even nullify—the work of months or years. In effect, all the intricacies of electronics and rocketry rely, in the end, on the operating efficiency of the everyday telephone.

In testing a missile or shooting for the moon, the number of calls, checks and crosschecks made to assure a successful launching is almost incalculable. PBX facilities totaling 5800 lines provide the means of assurance at Canaveral.

A successful launching, we have been reminded, is measured not by the height a missile rises into space or the distance it may travel, but by the important information gained after the firing button is pressed. From Central Control at the Cape to the hundreds of monitoring and recording stations, absolute coordination is required to completely record the missile history being made every day.

Specialization . . . or reliability?

Do these critical demands call for specialized equipment or intricate circuit design?

"Not so," says Bill Britton of the Patrick Air Force Base Central Office.

"What we want is equipment that is reliable, compatible, and easy to maintain—certainly, in this day and age, that isn't overly demanding.

"The fact is," continues Bill, "in considering a communication system, whether for a critical scientific project or a normal commercial installation, the requirements for accuracy and reliability should be the same. After all, an emergency phone call between patient and doctor is as important as an emergency scientific check during countdown."

They Never Stop Learning

Bill, along with a contingent of Air Force personnel representing 12 bases in all parts of the country, is now attending the Air Force Training Program at Stromberg-Carlson headquarters in Rochester. This course is now running concurrently with the commercial school which was established by Stromberg-Carlson in 1952. To date, over 1000 students from government and commercial installations have been trained through these facilities. The men attending the Air Force school represent a careful selection of top communication experts who are charged with keeping communication lines in top-notch condition as well as training other Air Force personnel in maintaining XY® Dial equipment wherever it may be installed.

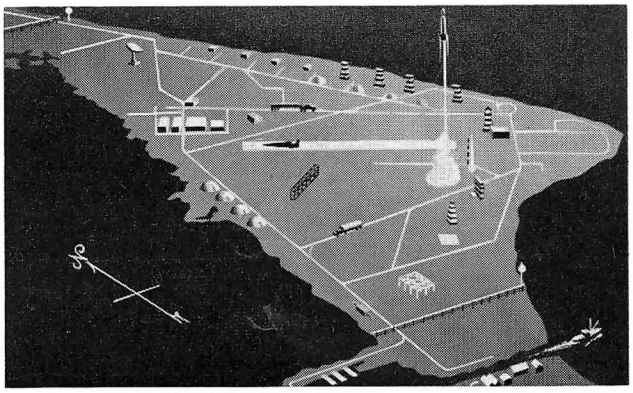
One of the men charged with preparing a course of instruction for the Sheppard Air Force Base Technical Training School is Mr. Charles M. Carter. A 15-year communication veteran, Mr. Carter has been an Air Force instructor for the past five years.

Anywhere — Anytime

"As Air Force instructors," says Mr. Carter, "it is our job to keep abreast with the ever-changing communication systems so that we may properly train Air Force personnel assigned to communication centers all over the world. But let Dick Fowler tell you about assignments. He's from the Air Materiel Command at Griffiss Air Force Base, assignment center for installers and equipment."

"Most of the Stromberg-Carlson dial equipment for Air Force bases comes through Griffiss," confirms S/Sgt. Richard Fowler. "In fact, the system now being installed at Patrick followed that route from Rochester. Any one of the installers at Griffiss could be assigned to Patrick. I always have my bag packed. I could be assigned to install equipment at any Air Force base, including Patrick. That's a big job."

And everybody agrees that it is—a big and an important job. When the 3000-line installation is completed at the Patrick Base, there will be a total of 5,800 lines—all XY Dial—serving that critical test area. These include 2,800 lines of XY Dial equipment at Cape Canaveral where time after time the telephone equipment has proved its value and dependability in linking and coordinating the separate and widely-spaced functions necessary for a successful launching.



Map of the Cape Canaveral area test site shows the numerous vital operations to which precise communications are essential.

Launching Pads to Power Station

Voice communications must be available for direct messages to and from concrete launching pads, service towers, blockhouses, central control of the range, missile assembly buildings, guidance laboratories, a liquid oxygen manufacturing plant, optical and photographic tracking equipment and the important power station—not only during a critical countdown, but in normal everyday operations.

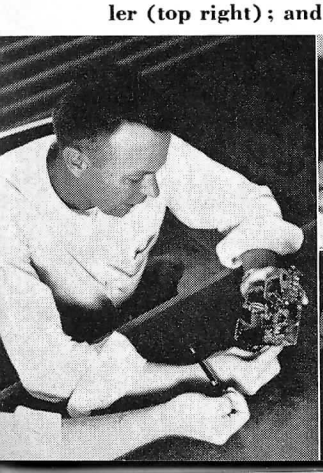
Patrick A.F.B. also plays a vital support role to operations at Cape Canaveral. The 3000 lines at Patrick will supply necessary communications for the center's headquarters and its administrative, engineering, logistic and aircraft operations as well as necessary direct links to the actual launching sites.

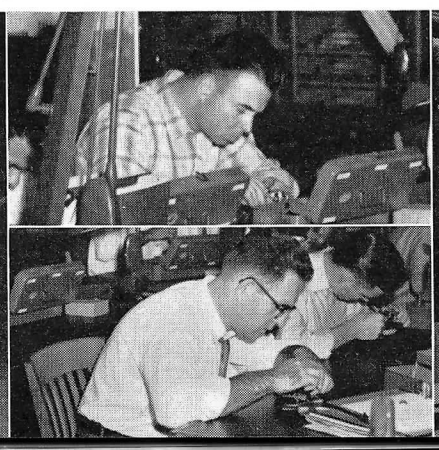
A First for the AF

One of the unique features of this new installation and the first for an Air Force base installation is the inward-dialing facility. This facility, which enables direct dial contact from outside trunks to the many operational groups at Patrick Air Force Base, provides added assurance of speedy and simplified communication contact. Through the media of radio and television the eyes and ears of the world are at Cape Canaveral during each major missile launching while direct telephone lines keep all official parties informed of the day-by-day progress of missile activity. In nearby towns, where families of Air Force, Civil Service, and Contract personnel live, the prevailing talk in restaurants, bars, and theatres is missiles—their future, their progress, their failures.

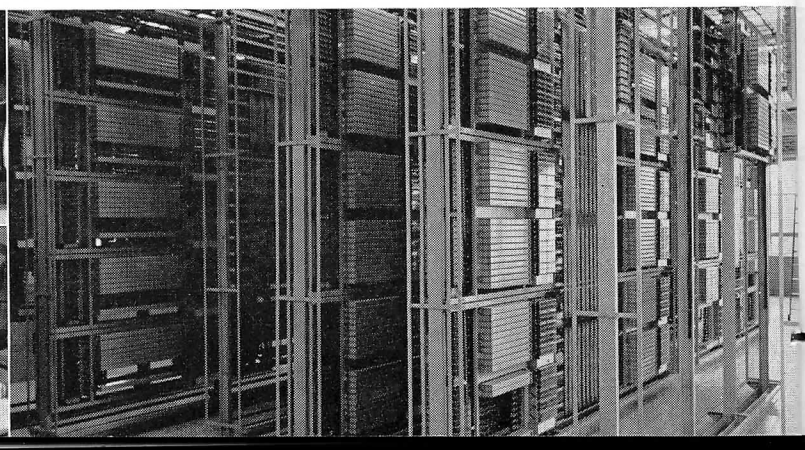
Whether by word of mouth, wire communications or through the air waves the processes of making America first in the world race for missile supremacy is a coordinated effort made possible through the wonders of modern communication.

We are particularly proud, not only for the privilege of being an integral part of this space pioneering program but, also, for the fact that it was XY Dial, taken directly from our "commercial showcase," that was stamped "approved" for such an important task.





Busy studying at the special XY training school are Charles M. Carter (left), S/Sgt. Richard Fowler (top right); and Bill Britton.



Typical XY® switching equipment installation. Note spaciousness and easy access to equipment permitted by Stromberg-Carlson design.

STROMBERG-CARLSON