



RELAY

MAY 1962

RCA COMMUNICATIONS INC.



TO HAVE BEEN DEVELOPED BY RCA ENGINEERS WHO HAD BEEN AWARDED THE NATIONAL ACADEMY OF SCIENCES FOR THEIR CONTRIBUTION TO THE DEVELOPMENT OF THE RELAY SYSTEM IN A 1958 PAPER IN THE JOURNAL OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS. THE RELAY SYSTEM WAS THE FIRST COMMERCIAL COMMUNICATIONS SERVICE TO THE U.S.

RELAY

VOLUME 22

NUMBER 5

*Published monthly in the interest of employees and friends of RCA Communications, Inc., 66 Broad Street, New York 4, N. Y.
TMKS. (R)*

THOMPSON H. MITCHELL..... President
JOHN Q. CANNON..... Secretary
ROBERT W. JAMASON..... VP, Personnel
FREDERICK J. SAGER..... V.P. & Treasurer

Gene McAuliffe..... Editor
Member American Association Industrial Editors

Correspondents

Robert Oliver..... Rocky Point
Fred Libby..... Washington
Constance P. Mattie..... Riverhead
C. M. Cherrigan..... Point Reyes
Herb Lundmark..... Bolinas
Robert W. Eberle..... San Francisco
Geoffrey Lloyd..... Kahuku
Bruce Flood..... Honolulu
Arthur Z. Smith..... Guam
Dela Vicente..... Manila

All contributions must reach the editorial office in New York on or before the 15th of each month.

Our Cover

At the recent International Executives Association Convention in New York City, Commercial Representative Al Helgesen explains RCA's synchronous satellite display to an interested visitor in the lobby of the Statler Hilton Hotel. This is one of several attractive displays used by the Advertising Division to implement our sales effort.

Page 2

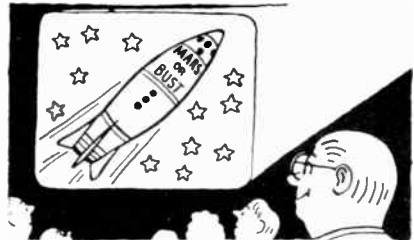
Trick for Typists

You mistype a word by leaving out a letter and don't discover the error until you're several words beyond it. How can you get the extra letter into the space available without bumping into the word before or after it?

Here's the trick, and it's one that even many professional typists don't know:

To insert a missing letter, first erase the entire word and then set the typewriter carriage with the printing point on the space just following the preceding word. Depress the space bar and hold it down while striking the first letter of the correction. Release the bar, then hold it down again while you strike the next letter. Continue this process until the corrected word has been typed completely, extra letter and all. It will fit every time, but with only a partial letter space separating it from the words before and after. There's one catch: It can't work on electric typewriters.

The Old Timer



"You're an old timer if you can remember when the sky was the limit."

The Least

We Can Do



The Freedom Bond Drive is the most important U. S. Savings Bonds campaign since World War II and the first nationwide Savings Bonds campaign since the Korean War.

The Freedom Bond Drive is aptly named. We are living in a time of great danger when our precious freedom hangs in the balance. In this emergency, we all share responsibility for defending that freedom. The money you put into Savings Bonds not only helps pay for defense but provides the economic strength and stability without which a powerful defense is impossible. Our freedom depends on military and economic power second to none.

Companies like ours from coast to coast are backing the Freedom Bond Drive. They are conducting campaigns to enroll as many people as possible in the payroll savings

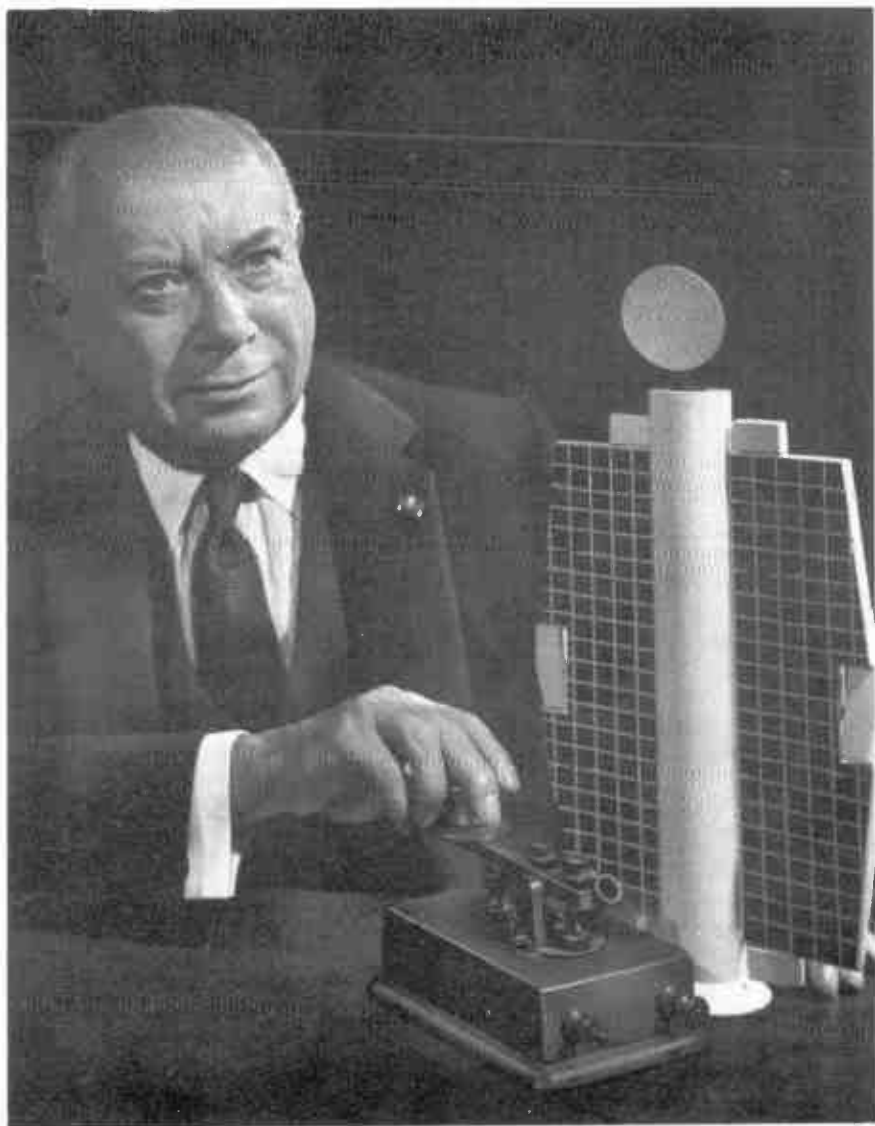
plan for the regular purchase of Series E Bonds.

Our Company is proud to participate in the national drive. During the week of June 4-8 you will be asked to consider signing up for these Bonds of Freedom through payroll savings or to increase your savings if you are already enrolled.

By signing up for payroll savings you will have the added satisfaction of knowing that the personal security you're storing up in Savings Bonds is helping our country's defense of freedom.

An outstanding response from all of us in our Company will contribute importantly to a successful Freedom Bond Drive throughout America.

The least we can do to keep freedom in our future is to buy Savings Bonds. We hope you will sign up.



Brig. General David Sarnoff, Chairman of the Radio Corporation of America, who last year observed his 55th Anniversary in the field of communications and electronics. His career spans the eras of the telegraph key and the space satellite (at right, a scale model of the RCA-proposed synchronous satellite).

Sarnoff Recommendations to Congress on Communications Satellite System

David Sarnoff, Chairman of the Boards of RCA and RCA Communications, Inc., said that RCA favors private ownership and operation of a communications satellite system, subject to suitable government regulation.

He urged at the same time that any legislation to establish such a system spell out the right of international communications companies to own ground stations and to interconnect with the facilities of domestic companies.

General Sarnoff appeared as a witness before the House Committee on Interstate and Foreign Commerce, which is holding hearings on proposed communications satellite legislation.

He told the Committee that RCA Communications, as an authorized international communications carrier, expects to make use of a satellite system when it becomes available and to invest in the establishment and operation of the system.

"A satellite system which will serve our communications business is one in which we would certainly be willing to invest," said General Sarnoff. "In addition to any investment which RCA Communications would make in the satellite company, it is also prepared to make the necessary investment in its own ground transmitting and receiving stations. It would do so,

of course, where such ownership and operation is justified for its communications business and where this would serve the public interest."

He called 'essential' the establishment of a high-altitude system of synchronous satellites in orbit 22,300 miles above the equator, where a satellite would remain in a fixed position relative to the earth's surface. This type of system "offers more advantages than do any other proposed satellite techniques for practical global communications," said General Sarnoff. Among its advantages he listed the ability of ground stations in the United States and many foreign countries to communicate simultaneously through the satellite, and the ability of only three satellites to cover virtually the entire inhabited land area of the earth in contrast to the requirement of 40 to 50 low-altitude satellites for comparable global coverage.

"We believe that a synchronous system can be achieved in practical form for commercial operations within approximately the same time that will be required to achieve a fully operational global low-altitude system," said General Sarnoff. "A number of important technical problems remain to be solved before any satellite system becomes practical for global communications service. The need for

solution of these problems makes it likely that a synchronous system could obsolete a low-altitude system by the time the latter became fully operational."

General Sarnoff told the Committee that certain basic principles are essential in any legislation providing for a communications satellite organization:

- a. *the right of international carriers individually or jointly to own and operate their own ground stations, in addition to those which the satellite corporation may operate;*
- b. *provision for unrestricted and direct access to and use of the satellites through any of the ground stations, and*
- c. *provision for full interconnection on reasonable and non-discriminatory terms between the facilities of authorized international carriers and the domestic communications systems of any other carriers.*

"We understand that the intent of the legislation is to strengthen competition in international communications services and to ensure the non-discriminatory use of the satellite system," General Sarnoff said. "To fulfill this intent, we respectfully recommend that the principles we have enumerated be expressly set forth in any legislation. This would assure that the public would derive maximum benefits from the promising new satellite techniques within the framework of the competitive private enterprise system."

Radiomarine Notes . . .

The power and quality of the radio signals put out by our coastal station "WCC" Chatham, Massachusetts is legend along the sea lanes, and a topic of much "scuttlebutt" among marine radio operators around the world. Here, however, is a letter of acknowledgment of reception which sets a new record (over 10,000 miles) for "WCC" a medium frequency station:

RCA Communications Inc.
Radiomarine Department
66 Broad Street

Dear Sirs:

It may be of interest to you to know that on a voyage from Brisbane to Melbourne on the 12th instant, at 0852 GMT, I heard WCC on 500 KC's at QSA3 (strength of signals fairly good) and QRK5-5 (intelligibility of your signals good to excellent), and was able to copy the traffic list on 436 KC's until QRM (interference) from a local station. At this time the position of the ship was 36.00 south 149.15 east.

I was very interested to hear WCC on 500 KC's in this part of the world. It is certainly the greatest range over which I have heard a M/F station during 11 years at sea in the marine radio service.

(signed) W. A. Prentice
Radio Officer
S.S. CARDROSA
Melbourne, Australia

Building Progress:

(This is another in our series describing some of the new services and facilities being provided in the new building.)

Air Conditioning System

*By Gene Gaetano
Manager, Terminal Facilities I & D*

The new 60 Broad Street building is sometimes referred to as a building within a building because of the separate service facilities which have been installed for the exclusive use of RCA Communications, Inc. In addition to private elevators and a separate electrical plant, RCA Communications will also have its own central air conditioning system.

There are several important reasons which dictated the decision to install an independent air conditioning system. Our air conditioning requirements are unique in many respects when compared to the normal office type air conditioning system. The very nature of our business necessitates a system which must operate 24 hours a day, 7 days a week all year round. We must also have an extremely reliable air conditioning system with built-in emergency back-up facilities. Additional special requirements include the circulation of large quantities of air due to high equipment heat loads, precise control of temperature and humidity to accommodate the critical operating ranges of our electronic equipment and electro-mechanical switching apparatus, ability to op-

erate for cooling during the winter season to offset high equipment heat loads, and flexibility of operation to meet the ever-changing pattern of our expanding operations.

In order to satisfy the foregoing requirements, a 1500 ton air conditioning system has been installed for our exclusive use. This system consists of the following major components:

a) Three 500-ton York Refrigeration machines located in the basement. These machines will manufacture chilled water which will be pumped to the cooling coils of the various fan rooms located in the RCA Areas. Three 100-HP pumps also located in the basement will circulate the chilled water. Since our initial load has been calculated at approximately 1000 tons, 500 tons of machine capacity will be used as a standby reserve. Some idea of the relative size of this refrigeration plant may be obtained by comparing it to the 2400-ton plant which the builder has installed to serve the remainder of the building.

b) Fifteen fan rooms are strategically located in the RCA areas. These fan rooms contain a total of

twenty-six separate air handling systems which condition the air to the temperature called for in a particular area and supply it via the associated ductwork. The fan rooms serving the computer and switching areas also contain special electrostatic filtering and humidifier equipment. Recorder-alarm systems installed within the computer areas further ensure that the precise temperature and humidity conditions are maintained.

By serving individual areas from separate fan rooms, a certain amount of flexibility and back-up is obtained. Air handling systems serving office areas may be shut down after office hours while those serving the operating areas are left running. Also, in an emergency, chilled water may be diverted from a fan room servicing a non-critical area to a fan room servicing a higher priority area. Additional fan rooms and air handling systems may be installed as required as long as the 1500-ton capacity of the refrigeration plant is not exceeded.

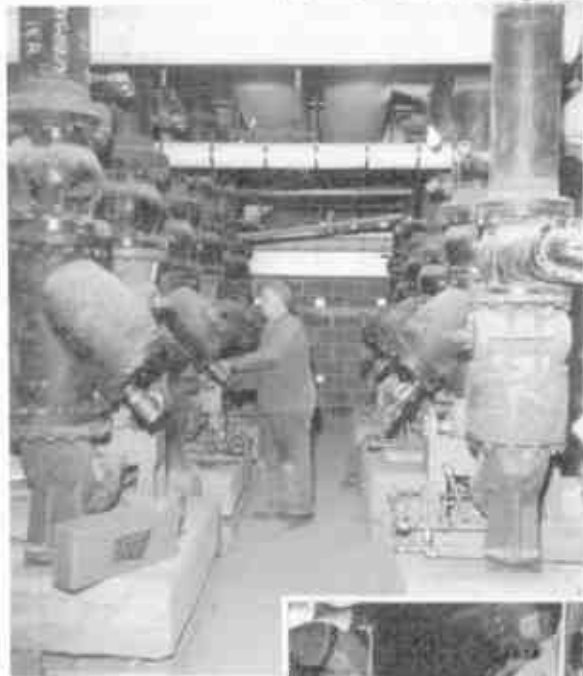
c) A cooling tower located on tower level #2, forty floors above the street, consisting of three cells rated at 500-tons each. The condenser water is pumped from the basement by three 75 horsepower pumps to the cooling tower where the heat removed from the conditioned air is ultimately dissipated. The cooled condenser water is then recirculated to the condensers in the basement in a continuous cycle. The cooling tower has been winterized by the use of steam so that the plant can be operated during the winter season.

d) A duct work system which, of course, is used to distribute the conditioned air from the air handling systems in the fan rooms. The ductwork serving the office areas is the same as normally used in an office building in that it is installed above the hung ceiling and cannot be seen.

However, since large quantities of air are required to handle the equipment heat loads in the operating areas, the ducts are abnormally large and could not be installed within the ceiling because the resulting ceiling height would be intolerable. In view of this, it was decided to install a hung ceiling as high as possible and to mount the ducts below it. In order to improve this situation from an esthetic viewpoint, a streamlined duct was used. This type of duct is manufactured with concealed seams and has the reinforcement installed within the duct to give it a smooth streamlined appearance. This arrangement also has the side advantage of providing flexibility so that ducts may be rerouted to meet changing heat loads in the operating areas without removing ceilings.

To control the complex plant outlined above, a pneumatically operated control system and a master control panel have been installed to provide the necessary temperature and humidity conditions throughout the year. It should be apparent from the foregoing why this modern air conditioning plant is partially responsible for the reference to 60 Broad Street as a "building within a building".

Cooling tower on roof. Three 25 h.p. exhaust fans cool water for re-entry into cooling system.

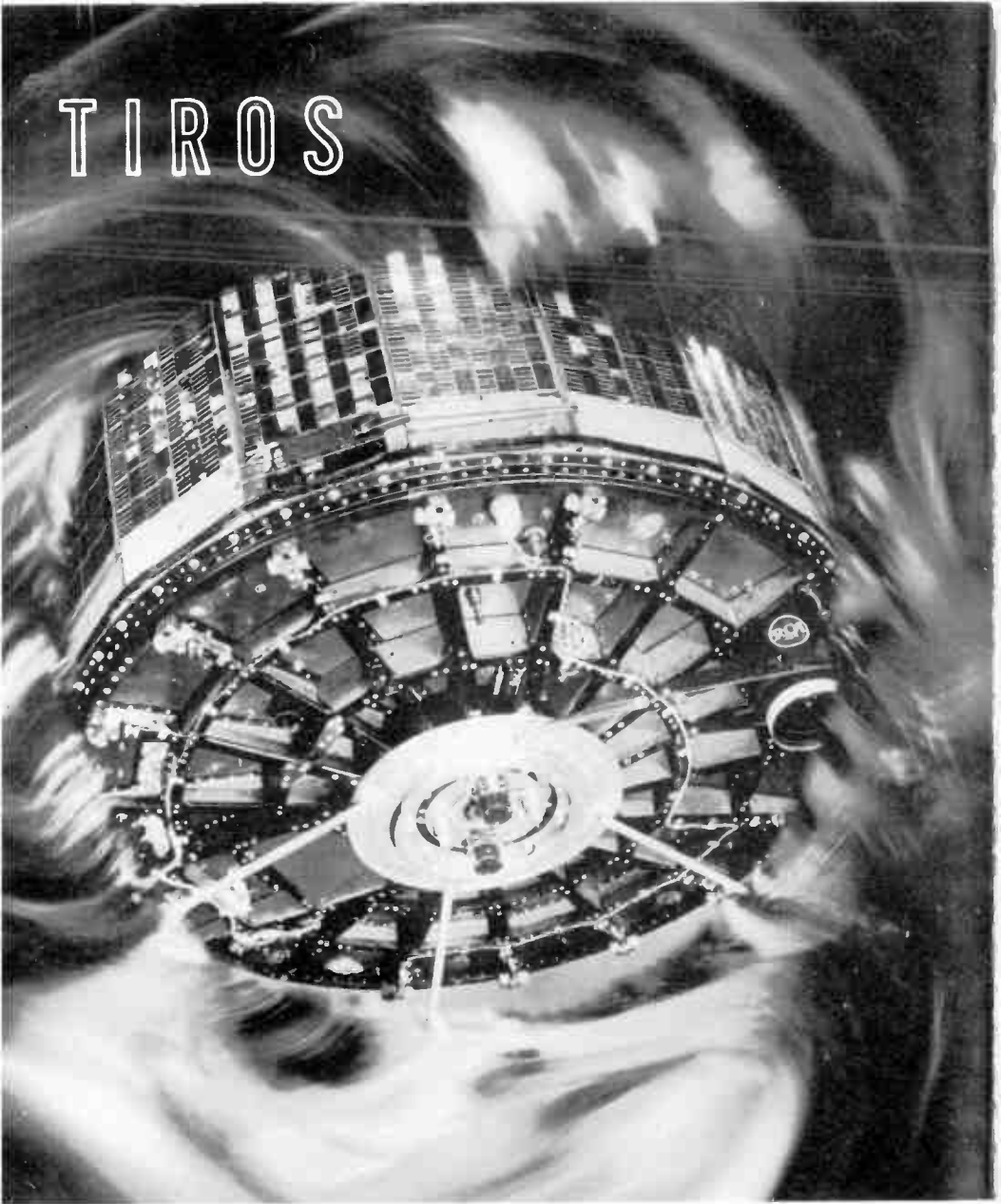


Pump room in basement. Water is pumped to cooling tower coils and to the cooling coils in various fan rooms throughout RCA area.

Building Superintendent Chris Fitzgerald checks electronic control panel on one of three 500-ton York Turbopak refrigeration compressors in basement.



TIROS



RCA-built Tiros weather satellites in orbit have shed new light on global weather patterns by providing views from space of hurricanes and other destructive tropical storms.

Weather Maps "Via RCA"

A new weather service to the world — facsimile broadcasting of cloud maps based on televised photos from the Tiros weather satellites — was initiated on April 15 by the U. S. Weather Bureau, Department of Commerce, with the help of RCA Communications, Inc.

The cloud maps are part of more than 100 facsimile charts of detailed meteorological data that are being beamed daily for the Weather Bureau over Central Europe, Latin America, the Far East, and Australasia from our transmitting facilities on the East and West coasts of the United States.

The new service marks the first time that weather data in a graphic form based on information received from an earth satellite, is being made available on a global basis as a peaceful, practical application of the United States' space program. The objective is to achieve wide distribution of the processed information from the satellite as well as to extend internationally other graphic information.

The transmissions are designed to implement the weather data exchange program of the World Meteorological Organization. According to the Weather Bureau, more than 100 nations have been advised of the program and have been asked to cooperate.

The procedure involves the

broadcast of the facsimile information over specific overseas areas on specified frequencies. Meteorological services situated within the broadcast areas may monitor the signals and make use of the facsimile maps and charts.

The Tiros satellites, of which four have been launched and operated, were designed and built for the National Aeronautics and Space Administration by RCA.



Weather map being received in the Radio-photo Section.

Cost Reduction Ideas Wanted

“During 1962 RCA must be geared to meet increasing and formidable competition in every segment of its business, both at home and abroad. At the same time it must also be in a position to meet the challenge of rising costs of doing business that faces American Industry in general.”

David Sarnoff
RCA Chairman of the Board

* * * *

In his annual message on the outlook for 1962 General Sarnoff offered a challenge to all 85,000 employees of RCA when he said that management has undertaken a vigorous program for reducing the cost of operations all along the line.

This should give all of us something to think about in the months ahead.

Cost reduction can be accomplished in many ways. We can look for ways to eliminate duplication, simplify methods and procedures, prevent waste, combine two or more operations, cut costs of materials and supplies, and generally stay alert to better ways of doing things. What better beginning do we need to start thinking about what we can do to reduce costs?

Ideas are all around us, waiting to be discovered. This is what Gen-

eral Sarnoff meant when he said we must be in a position to meet the challenge of rising costs. We are in that position.

Nobody else knows your job quite as well as you do. Because it is your job, you have a close day-to-day contact with it which gives you this special knowledge. You are in a position for discovering ways in which your job or other operations relating to it can be improved. Therefore, new and worthwhile ideas are likely to be **your** ideas. Your “boss” can’t think of everything. And when it comes to ideas nobody has an exclusive on thinking!

But an idea, no matter how good it is, doesn’t have much value to you or to the Company until you reach for a suggestion blank, write it down, and send it to the Secretary, Suggestion Committee.

Our Suggestion Plan was developed for the purpose of giving employees an opportunity to get full credit and cash awards for suggestions which are approved and used.

Is it worth your while?

The best answer to that question was reported in the February issue of RELAY. "During 1961 the Company awarded \$1,859.88 for ideas submitted through the Suggestion Plan." The only reason why that figure wasn't \$18,598.80 is because YOU probably didn't submit suggestions last year!

There is no limit to how much the Company is willing to pay for good workable ideas. While the top award for a single suggestion has been set at \$7,500 the total amount of awards in one year depends entirely upon their value to the Company in dollars and cents. So don't sell the Suggestion Plan short. It is worth as much as you are willing to put into it!

To encourage ideas and keep you thinking in terms of cost reduction and better ways of doing things we are highlighting along with this story a few helpful thoughts which will help get you started in the THINK business.

Remember, your ideas are worth money, and a few extra dollars always come in handy.

The need for new ideas at this time cannot be overemphasized. Changing conditions, increased competition and rising costs make it necessary that our entire team be on its toes, be alert to the many opportunities all around us of pointing up better ways of doing things.

Suggestions Wanted On . . .

How to combine two or more operations

How to eliminate unnecessary operations

How to prevent waste

How to do a job more economically

How to simplify work and reports

How to reduce cost of materials and supplies

How to improve quality of service

How to increase sales

How to improve plant and equipment

How to improve safety measures

**HOW TO IMPROVE THE
COMPANY'S BUSINESS
IN ANY WAY**

People and Jobs

The following changes on the staff were announced last month:

Wyndell Jenkins from Bicycle Messenger to Combination Clerk, San Francisco.

Carl Kermit from General Messenger to Clerk-Messenger, San Francisco.

Philip K. Lester from Automatic Operator to Operating Technician, San Francisco.

Noreen J. Ashworth from Traffic Accounting Clerk to Secretary, San Francisco.

Lawrence S. Lazarus from Draftsman to Designer.

Romeo Ganiron from Wireman to Operating Technician, Manila.

Carlos G. Contreras from Bicycle Messenger to Engineering Clerk, Manila.

Jose Mondragon from Traffic Clerk to Automatic Operator, Manila.

Alfredo Banto from Bicycle Messenger to Clerk-Messenger, Manila.

Ruben Gella from Clerk-Messenger to Traffic Clerk, Manila.

Irma Guzman from Typist-Clerk Engineering Services, New York to Traffic Accounting Clerk, San Juan.

Jock K. Wong from Combination Clerk to Automatic Operator, San Francisco.

Allan L. Drain from Bicycle Messenger to Combination Clerk, San Francisco.

John G. Haines from Radiotelegraph Operator, CTO New York to Radiotelegraph Operator WBL, Buffalo.

Terrence A. Kilkenny from Commercial Representative, New York to Special Representative, Washington, D. C.

Francis Raffaele from Check Clerk II to Automatic Operator.

Leon H. Baumlin from Radiotelegraph Operator WNY to Radiotelegraph Operator WCC, Chatham.

William H. Massey from Telephone Recording Operator to Commercial Representative.

Ethel H. Bennett from Secretary, Tariff Bureau to Secretary, Advanced Projects.

Donald L. Deeter from Automatic Operator to Combination Technician, San Francisco.

Mabel H. Hendrickson from Automatic Operator to Telephone Recording Operator, San Francisco.

1961 Was Safe Year For RCA Employees

From an accident prevention standpoint, 1961 was RCA's safest year.

On a Corporate-wide basis the incidence of serious work-connected injuries resulting in permanent physical impairment or loss of days from work decreased sharply — 20.3% below 1960, and 16.8% below the former all-time low established in 1958. Reductions in frequency of all other injuries requiring medical attention were equally impressive.

While even one disabling injury is considered too many, it is comforting to note that RCA's Corporate-wide experience is among the best in industry. Latest figures compiled by the U. S. Department

of Labor, Bureau of Labor Statistics shows that the 1961 disabling injury rate for all-industry was 7.3 times greater than the RCA rate.

Here at RCA Communications our on-the-job injury rate has declined steadily as a result of the constant vigilance toward occupational hazards on the part of managers and supervisors. At the same time many employees have contributed to our safety program by suggesting several good on-the-job safety ideas. Our occupational injuries experience for the year 1961 as compared with the previous year, shows a reduction in accidents per 1,000 employees equal to 121.5%

A mobile safety ladder is used by Storekeeper Larry Sansone. When weight is applied rubber fittings secure ladder to the floor thus preventing slipping and falling.

Plastic face guard is required when operating power machinery in Machine Shop. Combination Technician Andy Deltuvia wears face guard while operating surface grinder.



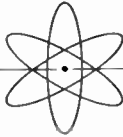


Old "66"

This photograph taken about 1927 shows the headquarters building at the corner of Broad and Beaver Streets as it looked in its heyday — a landmark in downtown Manhattan.



New "66" The same corner of Broad and Beaver Streets today. The stonework on the old building has been removed, a new skin applied and it is now part of a 39-story skyscraper.



Briefly Told . .

COLOR TUBE PRODUCTION: RCA announced plans for the second major addition to its color television picture tube production facilities this year to meet industry demand. A \$1.7 million program has been approved to inaugurate color tube production at the RCA plant in Marion, Indiana.

RCA expects to have two color tube lines in operation at the Marion plant before the end of this year. This plant also will continue to make more than 100 different types of black-and-white TV picture tubes.

RCA SALE OF WHIRLPOOL STOCK: A registration statement covering the proposed sale to the public, through underwriters, of 1,000,000 shares of common stock in the Whirlpool Corp. by the Radio Corporation of America is being prepared for filing with the Securities and Exchange Commission in Washington, D. C.

RCA plans to retain 158,563 shares of Whirlpool common, the current market value of which is more than \$5,000,000.

"The sale of these shares," said Dr. Elmer W. Engstrom RCA President, "stems from the growing needs of RCA's expanding business. The accelerating growth in color television, electronic data processing, space and other promising areas is increasing our financial requirements. The proceeds from the sale of Whirlpool stock will provide additional funds to help meet these growth requirements."

\$1 MILLION TUBE COLLECTION: A rare collection of Space Age electron tubes and components valued at more than a million dollars went on public display at the recent annual Institute of Radio Engineers show in the New York Coliseum.

Tubes similar to those used in the radio aboard Astronaut John Glenn's earth-orbiting spacecraft was shown, while others are slated to televise lunar landscape in future space exploration projects. They ranged in size from a thimble to a barrel. A few of the midget devices sell for less than a dollar, while a jumbo, 200-pound tube used in military radar has a price tag of more than \$66,000.

MOBILIZE RESEARCH TALENTS: A Free World Community of Science, mobilizing the research skills of the non-Communist world for breakthroughs in areas of greatest benefit to humanity, was proposed by Brig. General David Sarnoff RCA Chairman of the Board.

He suggested five broad categories in which research could be undertaken today on critically pressing human and physical problems "under a canopy of common Free World scientific interest":

1. Genetics and Heredity, where new basic knowledge could lead ultimately to the "elimination of bacterial or viral diseases, and conceivably to more useful strains of plant and animal life."

2. Communications and Space, looking toward a new cosmic satellite communications system, transmitting sight and sound among men everywhere on earth or in space, and toward realization of the potentialities of space for peaceful purposes, such as weather control.

3. Conversion of saline to fresh water for vast water-starved areas of the earth, recognizing that an efficient, low-cost process for large-scale purification of salt or brackish water can be "a weapon as potent as space ships in the battle for men's allegiance."

4. New sources of food to be harvested from the oceans "by transforming fishing from a nomadic pursuit to an organized farming activity, including the scientific processing of highly nutrient algae and plankton for food purposes."

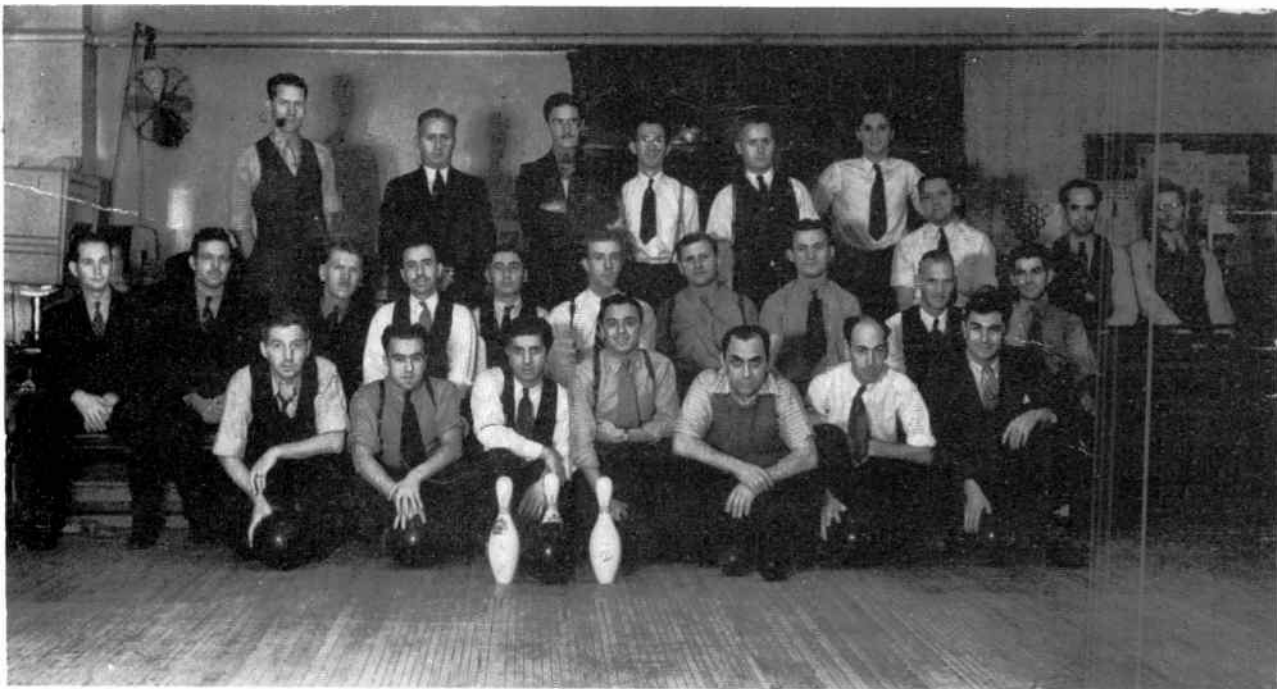
5. New sources of energy, through further research leading to practical use of nuclear fission. "When we learn how to convert all forms of matter into energy for practical uses, we will have at our disposal the maximum force in nature."

In each of these areas, "breakthroughs would change human life for the better and would manifest to all mankind the scientific leadership of the West," said General Sarnoff. He further suggested the establishment of an international data processing center "to assemble, digest, translate and make available promptly the essential data contained in the volumes of technical papers being published around the world.

"Concealed in this mountain of information are thousands of ideas for new materials, products and processes that could be invaluable to our progress in science and technology," General Sarnoff said.

Old Timer's Page

How Many Can You Recognize? This photograph taken about 1940 shows a group of employees, many of whom are still with us, back in the days when vests and suspenders were the vogue. Picture was submitted by Ed Kasbarian who is shown on the extreme right of front row.



Retirement Planning

By Charles Valentine

Administrator, Retirement and Insurance

DID YOU KNOW THAT:

1. Of the 207 presently retired employees, 93 are over age 70, including 29 ranging from 75 to 91, years young.
2. In the next five year period 224 employees are scheduled for retirement.
3. During the following five year period, years 1967-72, 263 more will be added to the list.
4. Statistics show that people are now living longer. For examples:

At age 50, our chances are, 4 out of 5 to reach age 65.

At age 65, chances are we will live 12 to 15 years longer.

In addition, thanks to the many advances in medical science, people are healthier in later years.

These statistics should impress upon all of us the need for retirement planning, NOW.

We are never too young to start thinking about retirement. A plan of action taken now may prove to be the most rewarding step we have ever taken toward a contented future. It can mean the difference between wishful thinking and purposeful accomplishment after retirement.

There is practically no one who knows how to retire, unless they are made aware of the prime factors involved in planning, for what should be the best years of life.

First, we should realize that re-

tirement is a release from the requirements of everyday routine. It enables us to enjoy more fully what interests us most. We can and should plan to devote more of our leisure time to our family, friends, hobbies, education, travel, welfare, civic affairs, self-employment, etc.

To attain any or all of these goals, prime consideration must be given to acquire intimate knowledge, in advance of retirement, of those factors which will assure peace of mind, following actual retirement, for example:

1. Maintenance of good health
2. Finances, including Taxes, Wills
3. Adequate Housing
4. Geography — Where to Live
5. Self-Employment

It is recommended that you now take initial action to acquaint yourself with the many facets of your future retirement problems, and thereby increase your knowledge in those subjects with which you may not come in contact in your normal daily activities.

There are many good publications, devoted to these subjects, available thru lending libraries or by direct purchase. The Retirement and Insurance Section of Personnel will be glad to answer any questions you may have on this subject.

Future issues of Relay will contain helpful related articles on this subject.

Retirements

George Bullwinkel, Group Leader, Terminal Facilities I & D, retired at age 65.

Mr. Bullwinkel joined the Company in 1923 as a Draftsman, later served as Chief Draftsman, Design Engineer and in 1960 was promoted to Group Leader.

* * * *

Louis Giraud, Service-Flexo Operator, retired at age 65.

Mr. Giraud joined the messenger staff in 1926. During his 35 years with the Company he held the positions of Traffic Clerk, Service Clerk and Service Writer.

* * * *

Elsie Sartor, Automatic Operator, CTO New York retired last month after 11 years of service.

Miss Sartor joined the Company in 1951 as a Traffic Clerk, later served as a Check Clerk.

* * * *

William F. Muir, Transmitting Technician Rocky Point, retired at age 65.

Mr. Muir had been a member of the Rocky Point staff since 1951.

George Street, Assistant Manager, Traffic Bureau, retired at age 65 after more than 40 years of service.

Mr. Street started his career in radio in 1916 as a shipboard operator with the Marconi Wireless Telegraph Company. In 1920 he joined RCA as an operator on the

Honolulu staff, later transferred to San Francisco where he served as a Traffic Supervisor. From 1925 to 1931 he was District Manager of the Marine Division in Seattle, Washington. In 1931 he went to the Far East where he served as company representative in Shanghai and Tokyo. He returned to the U. S. in 1934 and was Manager of RX Office until 1935 when he assumed the duties of Superintendent of the Honolulu Office. After more than 11 years in Hawaii Mr. Street returned to New York in 1946 as Assistant Manager, Tariff Bureau.

Pedro Galman, Watchman at the Bigaa Transmitting Station in Manila retired after more than thirty years of service.

Mr. Galman joined the Radio Corporation of the Philippines in 1931 as an Engineman at the Muson Receiving Station. He later served as a Rigger at Las Pinas. Since 1957 he has held the position of Watchman at Bigaa.

* * * *

Gregorio Bonilla, Engineer-in-Charge at the DasMarinas Receiving Station in Manila, retired last month at age 64.

Mr. Bonilla, a thirty-five year veteran joined the Philippines staff in 1927 as an operator. He later served as a Technician at Muson and Las Pinas. In 1955 he was appointed EC at Das Marinas.

Emblem Awards



Harold T. Ryden
New York
40 Years



Charles Shoreys
New York
35 Years



Lawrence Camborde
New York
25 Years



Fred H. Brenner
Rocky Point
25 Years



Joseph M. Golden
New York
25 Years



William H. Schnaars
New York
25 Years



Robert T. Wahl
Washington
25 Years



Candido Capistrano
Monila
25 Years



William C. Tooker
Rocky Point
25 Years

News

from our friends in

Retirement

I heartily agree with the idea of a column in RELAY about retirees. While I read the magazine with much interest and look forward to each and every issue, it is a rather one-sided affair. I say this because fellows like myself learn about our friends still on the job, but up to now they have received little or no news from former employees on retirement. So I say, hurrah, for your idea of news from Retirement-land.

After giving the greater part of one's life to a Company it is natural to retain that interest and be proud of its continued success. This, I am sure, is even more so with those of us who are still around that started from scratch with RCA in the early days. To read your articles today that point up the progress and leadership of the Company gives one a fine feeling of accomplishment.

As for myself, I will be 70 years old this month, enjoying life to the fullest and in perfect health. This past fall I shot a buck deer in the Pocono Mountains where I have a cabin and 50 acres of woodland. But like the birds I follow the weather. During the hot summer months my wife and I spend our time in cool New England up around Marion, Massachusetts. Before I lost my boat in a hurri-

cane a few years back, I spent much of my time fishing. When it begins to turn cold I go home to Pa., do some hunting, and right after the New Year, we take off again for warm, sunny Southern California.

Passing through Redlands, California we always stop in for a brief visit with the Clifton's (B.S.Y. Clifton former EC at Rocky Point retired in 1948). We also spend some time with Mrs. Dean in Garden Grove. Her husband was a former RCA employee who both my wife and I met at Kahuku in 1920 when he was Engineer-in-Charge of that station.

My recollections go back to many pleasant social as well as business relations in the Company. I like to recall a duck hunt in Great Bay while I was stationed at Tuckerton, New Jersey. In that party was Tom Mitchell, Sidney Sparks, the late Henry Hallborg and myself. It was a bitter cold day and we had been out in an open box dug in at the water's edge. After about six hours of that we were about half frozen. On our way back to the cabin we picked up a mess of oysters and later made an oyster stew. I never saw anyone enjoy oyster stew so much as Tom Mitchell did that

day. And I'll bet he's never forgotten it either!

I am sorry I have no recent photographs to send along. But as this column on retirees continues, as I am sure it will, perhaps later when I catch that big fish, or shoot my next deer, you will be seeing me.

With best regards to all my many RCA friends both active and retired.

Gerald J. Eshelman
7928 S. New Hampshire Ave.
Los Angeles 44, California

* * * *

Dear Editor:

I have revived an old hobby of mine, one that started out in 1913 — "ham" radio. Fortunately, with the assistance of the American Radio Relay League I was able to secure my old 1913 call sign W6JI (I am sending along my QSL card for your information) I joined the

A. R. R. L. and am now getting ready to come on the air with a transmitter, probably a Collins SSB Transceiver, I hope.

I read the RELAY avidly and I am sure the idea of a column for retirees will go over big. We, out here on the West Coast notice a lack of system-wide information in the magazine, and I'm sure such information would be very welcome. (Editor's note: Point-to-Point correspondents please note!)

Give my 73's to Tom Mitchell, Fred Muirhead, Bob Gilfillan, Joe Maresca, Sid Sparks and Tom Meola. I often think of them all, and my one trip back to 66 Broad Street. I don't suppose I would recognize the place now with all the new construction going on.

Best regards to all, and I hope some of my old associates will find time to write me a line or two.

Chester M. Jackson
41 Glen Avenue
Oakland 11, California



OAKLAND 11, CALIFORNIA
41 Glen Avenue

W6JI

RADIO Tx for QSO of at .
Ur Mc. CW-AM-SSB RST ____ Rcvr: Xmtr: Ant: _ _ _
Remarks.

Pse QSL Tnx 73, Chester M. Jackson, "Chet"
Lv. 8:00 WJCIJ

Chester M. Jackson, former Assistant Superintendent San Francisco, (retired 1957) hopes to make contact with other RCA "hams" when he gets on the air with his rig. His QSL card is your invitation to QSO him.

BROAD STREET BREVITIES

Family Additions: Edward Sloane (Router) announced the birth of a son, Edward, on March 16 . . . Lawrence Howard (Automatic Operator) calls his son Corey Lawrence . . . Willie R. Lewis (Porter) calls his daughter Sharon . . . Abraham Andrews (EX Office) announced the birth of a new daughter, Wanda Lee . . . Vito Luppino (Operating Maintenance Technician) was the proud father of a baby boy, Frank



Richard M. Pitts, 19, son of Domestic Sales Manager Martin K. Pitts has introduced several innovations in Algebra and Geometry which Norwalk College will publish for possible use at other schools. Richard is majoring in math at Norwalk and is on the Dean's list.

Phillip . . . Anthony Umbria (Automatic Operator) calls his daughter Barbara Ann . . . John V. Costello (Traffic Chief) announced the birth of his fifth son, Kevin Patrick . . . Charlie DeLuca (Material & Supply) and his wife Ann announced the birth of their fourth child, a girl called Linda . . . Edward Hank (Operating Maintenance Technician) became the father of a boy, Andrew Joseph, born on March 1 . . . Jimmy Seiffert (Operating Technician) and his wife Betty Ann became the proud parents of a son, Barry John.

Al Schneider (Operating Technician) played a vital role in saving a human life. He received a call on the "citizen band radio" from another operator who had suffered a heart attack and was unable to reach the phone to call a doctor. Al called the local police for an ambulance and the man was rushed to a hospital.

John Killilea (Check Dept.) was married to Bernadette Watson on March 24.

Al Helgesen (Commercial Representative) was married to Helene Mueger on April 14, and spent his honeymoon in Bermuda.

Dom Commisso (Payroll) became engaged to Marian Cogliano on March 24.

Milton Wadlow (Manager, BR

Office) thanks all the people who were kind enough to send him cards while recuperating from his recent automobile accident.

Joseph Korson (Regional Manager, New Orleans) has been elected vice-president of the "City Park Tennis Club".

We would like to welcome Maureen Alwill, Secretary, Advanced Projects who is a graduate of Katherine Gibbs Secretarial School and welcome also to Wagio Wong (Automation Engineering).

The fifth annual bowling dinner and dance will be held at the Hotel Park Sheraton on Saturday, June 9, at which time the top keglers in the Company sponsored bowling league will be honored.

As we went to press word reached us of the passing of Helen DeCesare, Automatic Operator, CTO New York. Miss DeCesare passed away suddenly at her home in Brooklyn, N. Y. at the age of 57. She had been with the Company since 1946.

Idea Pays Off - \$100 For Thinking!



Combination Technicians Victor Murdock (left) and John Bisbee (right) receive checks for \$50 each from Louis DeVoto, Manager Maintenance. Vic and John devised a system of checking crystal oscillators for ARQ2. This suggestion will cut outage time and generally improve the operation of Mux-ARQ equipment.

Liberia Awards RCA Telecommunications Pact

The Radio Corporation of America has received a \$2,860,000 contract from the Republic of Liberia to provide essential long distance telephone links within the fast growing nation and connect it with the rest of the world through reliable telephone and telegraph communications.

The project, scheduled for completion by March, 1964, also will provide Liberia with the necessary public service facilities for civil aviation and ocean navigation.

RCA Victor Company, Ltd., Canada, a subsidiary of RCA, will supply approximately half of the equipment, materials and services called for under the contract.

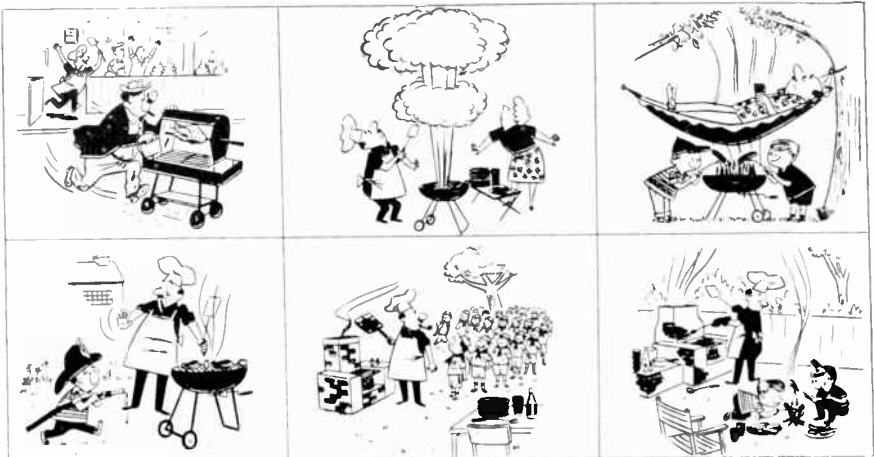
W. G. E. Vreeland, Division Vice President, International Marketing

Operations, RCA International Division, said the telecommunications project also includes a microwave backbone system for the major traffic routes, a communications system for Monrovia harbor, and a shortwave broadcasting station to bring Liberian news to the African world.

A unique provision of the contract calls for the training of Liberians in RCA factories in the United States and Canada, as well as on-the-job training for about thirty Liberians during the installation period.

RCA Communications, Inc. has operated a radiotelegraph circuit between the United States and Liberia since 1928.

Picnic Nonsense



Around The System

ROCKY POINT

By Bob Oliver

It seems that many of our TTs are interested in TTs! Let me hasten to add that the second "TTs" mentioned refers to Travel Trailers. Charlie Gurka is the proud owner of a new Serro-Scotty, Bill Tooker recently acquired a nice fifteen footer, and Tex Preuitt traded his nineteen footer for a sixteen foot Yellowstone. It would seem that the boys plan to explore the hinterlands rather extensively while, at the same time, not being very helpful to any stockholders who own motel-hotel shares. Rumor has it that George Mueller is dreaming of visiting Alaska and Mexico in a Dodge Mobile Bus, but only after he finds the rig to suit him.

Bill Hughes, Sr., is claiming the RCA grandfather record based on the fact that he now has 14 grandchildren.

Henry Tooker is back at work, having recovered from his elbow operation.

Elvar Lawson is about to hit the trail for Richmond, Williamsburg, and other historic Virginia localities.



Operator Joe Ludwig of "WOE" Lantana, Florida has been re-elected District Representative of the Florida District 7 Little League. Mr. Ludwig has been active in Little League baseball since 1954, and represented the state of Florida at the 1961 International Little League Congress, in Los Angeles.

WASHINGTON

By Fred Libby

Spring is upon us: Young men's fancies are turning to thoughts of love. Bowlers thoughts are turning to baseball. The minds of still other men quicken at the thought of fishing or golf. But, the tourists, especially high school seniors, think of Washington.

This is the time of year when our town is crowded with visitors. The Cherry Blossoms, with the accompanying festival and parade, plus the historic buildings and statues, form quite a magnet for folks from other areas.

Bus load after bus load of youngsters also make the scene. These students come from miles

away. Some from as far as the Mid West. They are always welcome, although some of the hotels are reported to be slightly the worse for wear after the kids depart.

Some of the lads in the WN office got in a little late season bowling. Art Cloutier, Bob Little and Bill Grimes worked up an interesting rivalry. The favorite expression seemed to be "We'll cream 'em". It isn't known just who got creamed, but a good time was had by all.

The Arts Club of Washington's Bal Boheme of 1962 was held at the Sheraton Park Hotel on February 23. Our own Art Cloutier was a member of the group winning the award for the best entourage. The prize was a private box for the season at the Arena Stage, the beautiful new theater for live plays.

POINT REYES

By C. M. Cherrigan

Not much news out here in the sticks this month, so for the present we will continue these short biogs on the RS staff until all have been covered:

Joseph Sciallo, a real old timer, born in Astoria, Oregon, joined the RCA Family on June 1, 1925. Nickname "Indian Joe." Hobbies: Hunting, fishing and gardening. Resides with his wife, Theresa, in Petaluma. Has two married sons, Hollis and Arlen.

Elgin Baker, Technician. Born in Spokane, Washington. Has been with the Company since June 14, 1941. Sine EB. Hobbies: sailing

and amateur radio. Resides with wife, Nellie, in Inverness. One son, Gregory, now serving in the U. S. Navy.

Alexander Dyosky, Technician. Born in Speonk, Long Island (N. Y.) began working for RCA on April 22, 1940. Sine DY. Hobbies: racing, amateur radio, bowling and golf. Charter member of the Hackers Club. Resides in Inverness with his wife, Toni, since migrating from Riverhead, N. Y.

GUAM

Arthur Z. Smith

Purely their own idea, the girls working in Guam CTO blossomed out in outfits of white blouse and red skirts, with a neat little RCA emblem on the blouse. See accompanying photo.

We notice in the February Relay the number of employees who have been involved in automobile accidents. Happily, we have none to report. It isn't because we do not drive on Guam. There are 14,000 cars on this island 30 miles long and six miles wide. Three miles of the main road is four lane and several miles is three lane. The road around the island is about 70 miles, and most week ends is cluttered up with Boy Scout troops trying to set a new record for round the island hike.

Our transmitting staff goes for motorcycles, Ken Pier, Eddie Martin, and Jim Long especially. In the two wheel division can be mentioned the winning of a boy's bicycle race by our son Peter Smith.

Cars on Guam cost from six or seven hundred dollars more than in the states due to the transportation cost. Gasoline is thirty-five cents a gallon.

Most of us drive nearly as much as in the states, 10 to 12 thousand miles a year. The RCA messengers put 80,000 miles a year on the Volkswagen.

Until a few months ago security clearance from the Navy was needed for anyone stopping off at Guam. This requirement has been lifted, and last month Guam had its first tourists, a couple from

Hawaii who spent a week here before resuming their tour of Asia. Also, it is now easier to get permission to visit the Trust Territory, that area of ocean almost as large as the U.S.A. which is governed by the U.S.A. for the United Nations and which contains such islands as Truk, Palau, Yap, Bikini, Majuro, none of which have ARQ!

In ham radio activity it is the transmitter gang again. Ken Pier is KG6AFO, Ed Martin is WG6ALI and Bob McLaughlin is KG6AJB. My own radio hobby is low frequency listening.



These attractive members of our CTO staff in Guam display the outfits they now wear on the job. The made-to-order uniforms were purchased in Hong Kong by the girls themselves. Reading l. to r.: Beatrice Naputi, Maria Sablan, Cecilia Salas, Maria Cruz, Nancy Guerra and Priscilla Benavente. Missing from the photo are Mary Eliptico and Rosa Fernandez.

“A corporation may spread itself over the entire world, may employ a hundred thousand men, but the average person will usually form his judgment of it through his contact with one individual. If this person is rude or inefficient it will take a lot of kindness and efficiency to overcome the bad impression. Every member of an organization who, in any capacity, comes in contact with the public is a salesman and the impression he makes is an advertisement, good or bad.”
