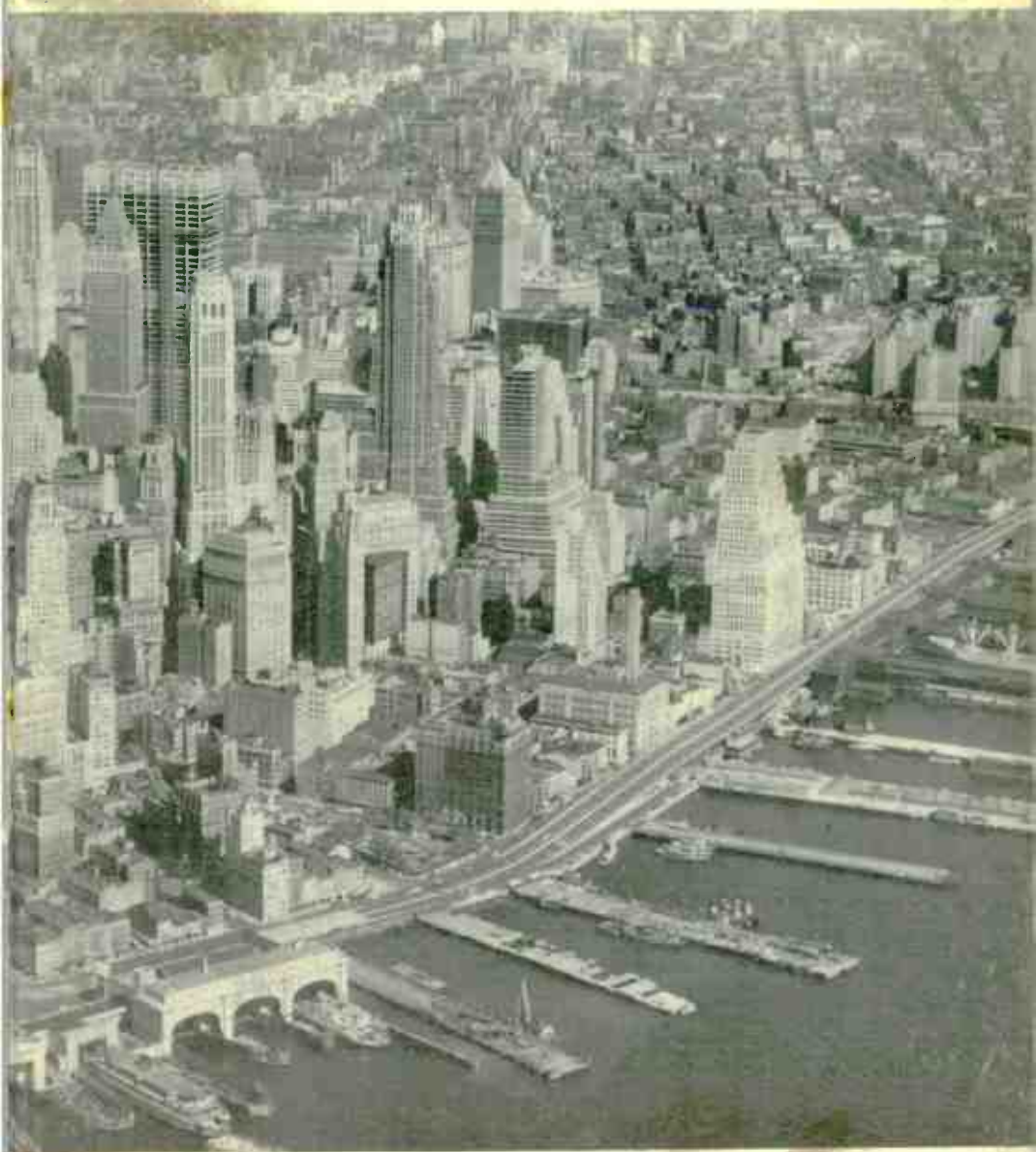


Special Supplement: International Conference

RELAY

JULY-AUGUST 1960



THE FAMILY MAGAZINE OF RCA COMMUNICATIONS, INC. • A Service of

World Radio History



RELAY

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THOMPSON H. MITCHELL President
JOHN Q. CANNON Secretary
FREDERICK J. SAGER V.P. & Treasurer

Gene McAuliffe Editor
Member American Association Industrial Editors

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

Our Cover

The island of Manhattan (New York City) has become the communications center of the world, and this panoramic view of lower Manhattan is appropriate to this issue which carries a special supplement on the International Communications Conference held in this city on June 20-July 1.

Short Hauls . . .

August Irony When on August 19, 1856, the U. S. Patent issued to Gail Borden a patent on a process for condensing milk, it expressed serious doubt as to "the commercial value of the invention."

* * * *

Cooperation would solve many problems. For instance, freckles would be a nice coat of tan if they'd just get together.

* * * *

Official Business If you thought the census takers of 1960 were nosy, be glad you missed the quiz of 1850. That year the government wanted to know whether you were a pauper and if you had any idiots in your house or any convicts in your family.

* * * *

There are two well-known finishes for automobiles: lacquer and liquor.

* * * *

Oh, I like to start the morning with an apprehensive sigh,
For I find a bit of worry to my taste;
But I cannot help a-thinking as the years go speeding by,
That an awful lot of worry goes to waste!

STRIKE! IT RICH



**ROLL IN THOSE
SUGGESTIONS**



Foresee Satellite Systems

For World-Wide Communications By 1970

An extensive satellite system for world-wide television, radio, and other electronic communication services was envisioned as a commercial possibility by 1970.

In a statement submitted to the Federal Communications Commission in connection with its study of frequency allocations for space communication, RCA said satellite communications systems will add new speed, capacity, versatility, and reliability to both intercontinental and domestic services and will make possible services which are not provided by present techniques.

Among the new services, the RCA statement listed these:

Intercontinental television, and television service to remote areas.

Wide-band intercontinental communications systems.

Economical international and intracontinental very-high-capacity routes between major centers of population.

Lunar and interplanetary communications.

The statement, based on studies

by technical specialists of RCA and its subsidiary, RCA Communications, Inc., said "initial systems for trial commercial usage" might be available by 1965, and "extensive national and international systems" by 1970.

Satellite relay for international communications would have many advantages over present systems, according to the RCA statement. It cited these three:

"1. *Freedom from the frequent disturbances in ionospheric propagation.*

"2. *Very much greater communications capacity and expected greater reliability for transmission of present classes of service such as telegraph message traffic; telex (teleprinter exchange) services; datagram services; leased circuits for telegraph and data; point-to-point program transmission services; and normal-speed radiophoto and line-facsimile messages.*

"3. *New long-distance record communications services such as medium and high-speed, high-definition facsimile; monaural and stereophonic program exchanges; reduced speed*

television programs; and high-speed data transmission."

The statement revealed that RCA has studied the feasibility of transmitting television pictures between England and the United States by means of an active satellite repeater. RCA Communications has been studying the use of satellite for intercontinental relay of communications.

The near-future communications satellite ground stations may be distributed throughout the United States," the statement said. "The second generation of ground stations will probably be confined to selected locations to optimize transmission, improve frequency coordination restrictions and secure the ground facilities to the maximum degree. The location of the terminal stations engaged in international communications dur-

ing the first few years of operation would be limited to specific areas within the United States. Usually, these would be the existing gateway cities or any others that may in the future be so classified."

The development of the future communications systems may be carried on through the cooperation of various national or international agencies by applying knowledge gained in either military or non-military experiments, according to the statement. It envisioned the operation of the completed systems under control of a national agency, such as the National Aeronautics and Space Administration, coordinated with other international bodies, such as the International Telecommunications Union, with licensing procedures for non-government communications use.

Company Awarded Man-In-Space Contract

RCA Communications, Inc., has been selected to provide a portion of the global communications network for Project Mercury, the National Aeronautics and Space Administration's effort to put a man in space, President Thompson H. Mitchell, announced on July 12.

Signing of the contract climaxed a year of discussions and planning by NASA and RCA engineers. Under the agreement, RCA Communications will provide NASA with a number of the international teleprinter and voice communica-

tions channels which will be needed for administrative and command purposes preceding the launching and during the orbiting of the first U. S. astronaut.

The RCA radio and cable channels will be used to carry telemetered data on the performance of the space capsule and its occupant back to the Project Mercury command post in the United States. The channels will also carry information on the position of the capsule as provided by NASA radar tracking stations around the globe.

Operation Cosmos

President Eisenhower's Goodwill Tour of the Far East

By Ed Grunberg
ADM, Washington

Early Sunday morning we are off for the Far East aboard the White House Press Charter, Pan American Jet Clipper, "Friendship." The President is one hour behind our press plane, flying in an Air Force jet, one of three assigned to MATS for use by American Government officials.

Flight time from Washington, D. C., to Elmendorf AFB, Anchorage, Alaska, is 7 hours 12 minutes; time difference minus six hours. So, by the clock, we departed Washington at 8:00 a.m., and arrived at 9:12 a.m., local time.

We received a warm welcome from the friendly people of the new state of Alaska. Practically everyone there owns a movie camera and a plane. This country is so vast you need a plane to find your way around, and by the same token the camera is used to record the rapidly changing scene. I kept waiting for night to fall forgetting that we were in the land of the midnight sun. We turned in for the "night" at 11:30 p.m., with daylight streaming through the bedroom windows.

Early next morning we said goodbye to the Kodiak bears and the salmon and boarded our plane for the Far East. Shortly before taking off we learned from some of the natives that a local golf tournament was scheduled for

June 21. Tee-off time was Midnight!

We crossed the international dateline about 10:00 a.m., and moved into the next day. One of the boys on our plane recorded a nine hour birthday—the shortest on record.

Just seven hours and four minutes after taking a last look at Mt. McKinley, Alaska, I was talking with Bob Voss at the Haneda Airport in Tokyo. We had just enough time to exchange greetings and file some urgent press traffic when the word was passed that our jet clipper was re-fueled and ready to take-off. In a matter of minutes we were airborne again and four hours later I was shaking hands with Floyd James in Manila.

What a change in scenery and climate! I looked around at the beautiful, lush, green vegetation, steaming in the hot sun after a recent downpour—a far cry from the crisp, cool and rather barren vista of Alaska, with its snow-capped mountains and glaciers. Floyd and I made our way to the Manila Hotel Press Center where I met the fine members of the RCA staff. The Manila staff was magnificent. Acting DM Jack Friedman and the entire staff worked long hours serving the press corps. Many refused to go home during our three day stay in

Manila. They elected to sleep on cots in the main office just to be available in case they were needed.

(Editors Note: A special report on President Eisenhower's visit to the Philippines appears elsewhere in this issue)

Late in the evening of June 16 we were taken aboard the aircraft carrier U.S.S. YORKTOWN. The President boarded the cruiser ST. PAUL, flagship of the mighty 7th fleet. Shortly before midnight the task force weighed anchor and we steamed up the South China Sea. This phase of the journey was

most pleasant and enjoyable for me, an old sea dog of World War II vintage. I had never been on anything larger than a destroyer, so you can imagine my enjoyment as a **civilian and a passenger** aboard a cruiser. The Navy had everything well in hand. The press set-up, manned and operated by Naval Communications, was excellent and the newsmen were loud in singing their praise.

After steaming at high speed for two nights and one day, early on the morning of the 18th of June we were in sight of Tansui on the northeast coast of Taiwan.



On the flight deck of the YORKTOWN (l. to r.): Lt. Comdr., Robert S. Jones, Public Information Officer, Grunberg and Commander J. Pillsbury, Public Information Officer CINCPAC.

**Special
Supplement**

International Communications Conference

Delegates from twenty foreign communications administrations and private operating companies as well as representatives of the U. S. overseas carriers and observers from the Federal Communications Commission and the U. S. Department of State, attended the International Communications Conference held in the Hotel Park Sheraton in New York City from June 20 to July 1.

This industry-wide conference which attracted 97 delegates and observers from all parts of the world was held under the auspices of RCA Communications, Inc. It was called for the purpose of discussing problems precipitated by recent technological advances, and to improve further international record communication services.

Among the principal topics presented for discussion during this two week conference were: Automatic Message Handling Systems; Intercontinental Gentex and Message Switching Systems; Automatic Telex Switching Systems; Telex Operations; Cable Operations; Leased Channels; Data Communications, and Satellite Communications.

A complete report on the highlights of the conference appears in this special supplement.

RELAY • *The Family Magazine of RCA Communications, Inc.*



President Mitchell Welcomes Delegates

It is with a great deal of pleasure that I welcome you to this International Communications Conference.

I believe the days ahead will be interesting ones for all of us. With the many administrations and operating companies represented here, we shall be making a truly international assault on today's global communications problems. Moreover, the depth and diversity of experience you bring to this Conference will certainly enable our discussions to produce new techniques, new ideas, and new ways of looking at old — and often vexing — problems. I think our prospects for progress are bright indeed.

On behalf of RCA Communications, Inc., I thank you for the spirit of cooperation which has led you here from all over the world and bid you a most sincere welcome.

T. H. Mitchell
President

Conference Aims And Purposes

By Sidney Sparks

Vice President

Operations & Engineering



This conference is more the result of natural forces than something conceived and initiated by any particular person or group. Our industry has reached a point in its progress when it must decide what it wishes to do in respect of several important problems, and that is why the conference was convened. My company is glad to have the honor of acting as host and sponsor, but this is not an RCA conference; it is an industry conference convened, as I said before, in recognition of natural forces which will importantly affect the international telegraph industry in the years ahead.

Our industry probably is unique in the degree of uniformity necessary in its operating methods and techniques. No company or administration can proceed alone with good results; we must all follow the same course. We must coordinate and cooperate with each other in the exploitation of new techniques and services in order to meet our important obligations to the people and the nations we serve.

Notwithstanding that the last

ten years have been characterized by continuous and accelerating change, it is clear that our industry is on the threshold of even more profound changes. Because our world-wide industry has shown outstanding diligence, vision and courage, we have created new opportunities for ourselves. We also have created new responsibilities and problems. We have set in motion some forces which must be guided and developed in the best interests of the industry and its customers.

The previous conference of this character held in New York some four years ago was devoted to telex, which was then in what might be called its childhood stage and was felt to be in need of some coordinated attention. We have reason to believe that the conference was useful. International telex has by no means reached its full development, but is in what might be called its adolescent stage. It shows good promise of achieving healthy adulthood, but again it seems appropriate to consider the course it should follow during the next several years.

Increasing availability of cable channels for telegraphy will significantly affect the development of telex. Automatic switching of telex calls, with the ultimate aim of customer-to-customer dialing will materially improve the usefulness of telex. There is reason to expect that these changes and other improvements, such for example as automatic accounting will reduce operating costs, thus making it possible ultimately to pass along important benefits to the users of the service. It can be foreseen that the time will come when the necessity for the three minute minimum for international telex may profitably be reconsidered.

Partly because there was inadequate consultation in earlier days, we have a situation affecting telex in the United States which is distinctly disadvantageous. If this situation is annoying to our correspondents, please be assured it is doubly so to the United States carriers and their customers. I have reference to the existence here of several telex networks which either are not interconnected or are interconnected in a manner which impedes the flow of traffic. We are striving to reduce the incumbrances presented by the existence of these several networks.

Insofar as our own telex distribution system is involved we have completed plans for conversion to fifty Baud operation. This, incidentally, is a formidable and costly undertaking, particularly in New

York City where almost 1400 RCA customer installations and a large amount of central office apparatus must be converted over a relatively short period.

We have an even more difficult problem in respect of our interconnection with the TWX system, and no solution is in sight which will eliminate the use of costly speed and code converters. The AT&T Company is always willing to cooperate, but the job of changing some 50,000 teleprinters and a vast amount of associated equipment apparently is more than it is willing to undertake. We have nevertheless been able recently to agree on a simplification of our TWX interconnection arrangements through a joint AT&T/RCA engineering effort.

We are pleased that the Western Union Telegraph Company is developing a domestic telex system which will be compatible with the world-wide international networks, and with the systems of the United States international telegraph companies who have been assured equal access to it. We are hopeful that this Western Union system will be available for international service before this year ends. Western Union, as you will see from the conference agenda, will present a paper describing its domestic telex system.

While the 1956 conference in New York was devoted exclusively to telex and related problems, it is deemed advisable to cover a

wider range of topics this time. In particular, it is proposed to consider our old friend the message telegram, which, notwithstanding that it is and long has been under attack by other communications services, shows remarkable vitality, and even capability of further growth in its old age.

In the normal course of things, and in the absence of purposeful and well planned efforts to forestall such undesirable consequences, it seems reasonable to expect that the message telegram will gradually wither, but it will never die, as its competitors, including telex and leased channel services continue to grow.

There will always, at least in the predictable future, be a significant demand for message telegraph service which our industry cannot and does not wish to deny. We must foresee, however, that if we permit the volume of message traffic to decline significantly without improving the means of handling it, the cost per telegram will rise to an unpredictable high level, and the service will become financially burdensome. This should not and need not be permitted to happen.

In the opinions of some competent judges, message telegraph service is capable of rejuvenation and should be rejuvenated; it can, if the industry so desires, remain for many years our most useful service, and our most profitable service. We of RCA are of this opinion, and our policies and plans

are being shaped accordingly. Certainly this course is much preferable to one which would allow the message telegram to become increasingly an economic burden.

It seems to us rather obvious that the first step towards rejuvenation of the message telegram is to improve the service and reduce the cost involved in furnishing it. This we propose to do by a system of automation which we shall explain to you.

Automation should be only the first step in a program intended to develop the message telegram. With such means available to the industry, new and different forms of message telegraph service will become possible. It might be interesting, but it probably would not be particularly useful to consider at this time some new forms of message telegraph service which automation is expected to make possible, so since time is limited we propose at this conference to dwell rather intensively upon message telegraph automation, and leave the important question of new forms of service to some future time. We shall, I assure you, have some proposals in this area for your consideration.

We of RCA recognize an ultimate need for two kinds of switching systems for message telegrams in the international service. We shall for some years require a system for automatically routing and switching individual telegrams through a network of fixed circuits, but at the same time we

wish to take fullest advantage of a system of circuit switching where conditions are favorable to the use of such a method. Our plans are shaped accordingly.

Whatever is done by any company or administration in respect of automatic message switching must have the support of the entire international telegraph industry if maximum benefits are to result. Existence of incompatible methods would be a serious handicap. That is why we have given such prominence in this conference to plans for automatic message switching.

It may be objected by some that too much emphasis is given by us to the technical aspects of plans for automatic message switching. We have considered this rather carefully. If some of you are unable to follow understandingly all you will hear along this line from the engineers in the course of this conference, it may be reassuring if I confess that I too have found myself quite incapable of comprehending the more abstruse technical aspects of the new plans, which introduce radically new and different techniques. I am able nevertheless to understand the advantages that will result from the proposed new methods, and they are significantly important. A general understanding of the engineering plans is helpful to full comprehension of what is sought to be accomplished and I recommend that you follow closely what the engineers have to say.

RCA is prepared to assume the role of pioneer in the use of electronic computer techniques in the international telegraph industry. We have no desire, however, to preempt initiative in this field; to the contrary we clearly recognize a great need for help from our correspondents, and indeed also from our competitors in order to achieve compatibility and to minimize the risk of costly mistakes. We invite your recommendations and criticism. Certainly we shall require your cooperation.

Lest some of you who remember the painful conversion of our system from Morse to teleprinter operation just after World War II may be apprehensive, I should like to assure you that we shall at no time in the introduction of our new message switching system risk live traffic to unproved methods. We shall operate the old and the new methods simultaneously until we are sure.

Another subject that is given considerable prominence on the agenda of this conference is that of data transmission. It can no longer be doubted that this will increasingly constitute a vitally important part of our traffic, and it is essential that we give thought to it. We must consider in what forms to offer data transmission service, and by what technical means to handle it. In this area it is clear that incompatibility of methods must be avoided.

When this conference was first contemplated we had hoped to

place on the agenda certain topics concerning which there might seem need of some kind of development. Unfortunately we were advised that United States law inhibits discussion among competitors of rates, and matters with rate implications. Therefore you will understand our silence if problems of this kind are raised by the conferees from other countries.

We are, of course, free as we have always been, to express our views concerning mutual financial problems with our individual correspondents; we are only restrained from participation in group discussions.

Now it is clear enough that many, and perhaps all of the problems to which we shall address ourselves during this conference will be with us for a long time to come. They probably will find a place in the deliberations of CCITT.

This conference is unique in several important respects, but in one respect particularly. It is the first time that the competing United States carriers have ceased for a little while to belabor each other and sit down together to consider if maybe there are areas where we can and should appropriately coordinate our operating plans and policies, and to consider if maybe such coordination would be in our own interests and in the interests of our customers.

I should like to thank our competitors for helping to make this

conference possible, and I know that their efforts will contribute importantly to its success.

It seems appropriate in every way that representatives of our State Department and the Federal Communications Commission should participate in this conference, and we are glad that they have agreed to do so. It so happens that they have cautiously restricted their roles to the category of observers, but we are hopeful that in the informal atmosphere of give and take that we intend shall prevail here they will not be inhibited from frank and free expression of their views. They can be most helpful. There are no questions on the agenda of this conference which have competitive implications, so our friends of the United States government need have no qualms on that account.

Finally I should like to express the hope that conclusions of lasting usefulness will be reached as this conference proceeds. It is not sufficient that we have a polite exchange of views or even that we debate inconclusively the many questions to which we shall direct our attention. To the fullest extent practicable, we should undertake to reach decisions which will be in the best interests of our industry. We of RCA do not expect and do not hope that all of the questions will be resolved in a manner most favorable to our immediate interests. From a long term viewpoint, we believe that what is good for the industry and the public is also good for us.

This Was The Scene Where Delegation



tes Met For International Conference



Conference Agenda

Automatic Message Handling Systems

Proposed Automatic Message Handling System for RCA Communications, Inc. — E. D. Becken, Vice President Operations Engineering, and R. K. Andres, RCA Communications, Inc.

An Automated Data Message Switching System — J. Owings, RCA Electronic Data Processing Division.

Intercontinental Gentex and Message Switching Systems

Description of European Gentex System — R. Fernau, Ministerialrat, Bundesministerium fuer das Post und Fernmeldewesen, Germany.

The Relative Advantages of Through Switching and Message Relay — Representative of Great Britain.

General Discussion of Operational Aspects of Automatic Telegraph Message Switching

Moderator: H. Takeuchi, Director Operations, Kokusai Denshin Denwa Co., Ltd., Japan.

Automatic Telex Switching Systems

Description of Auto Telex Switching System for RCA Communications, Inc. — D. E. Hempstead and R. E. Hammond, RCA Communications, Inc.

Technical Description of Interconnection with U. S. Domestic Carriers — W. Shaw, RCA Communications, Inc.

Implication of Intercontinental Metered Telex Service with Particular Emphasis on its Effect on Message Telegraph Service — E. W. Peterson, RCA Communications, Inc.

Telex Operations

Western Union's U. S. Telex Network and its International Interconnections — P. R. Easterlin, Western Union Telegraph Company.

U. S. Regulatory and Congressional Developments Relating to International Communications — H. R. Hawkins, Vice President & General Attorney, RCA Communications, Inc.

Cable Operations

Frequency Division — W. Lyons, RCA Communications, Inc.

Time Division — J. Palmer, RCA Communications, Inc.

Radio Back-up Facilities — S. H. Fifield, RCA Communications, Inc.

General Discussion of Leased Channel Problems

Moderator: R. Vargues, Administrator of the General Direction of Telecommunications, Directeur General des Telecommunications, France.

Satellite Communications

D. S. Rau, Vice President, Chief Engineer, RCA Communications, Inc.

Data Communications

Introduction — L. R. Engler, Vice President and General Sales Manager, RCA Communications, Inc.

Punched Card Data Transmission over Radio Facilities — R. K. Andres, RCA Communications, Inc.

Alternate Use Voice/Data System — J. C. Hepburn, RCA Communications, Inc.

Data Codes — T. S. McGuire, RCA Communications, Inc.



Representatives of the U. S. overseas carriers who attended the conference are shown here with President T. H. Mitchell (left to right): S. M. Barr, VP Western Union; J. Berenger, Manager French Cable Company; Francis MacNamara, Manager NY Office Press Wireless; Mr. Mitchell; Bertram B. Tower, President American Cable and Radio Corporation; and Roy S. Hood, VP Tropical Radio Telegraph Company.







H. Takeuchi (Japan)



H. G. Lillicrap (Great Britain)



T. Perry (Netherlands)



R. Fernau (Germany)



R. Vargues (France)



Hempstead, Martinato and Sparks.



Perry, Iliffe, Mitchell, and Meola



Becken, Grady, and Lillicrap.



Perry, Monniot, and Operator Bifalco.

Grady, Andres and, Cianto.



Engler and Butterworth



A Summary of Results

By Sidney Sparks

Vice President

Operations & Engineering

Out of our deliberations here has evolved a pattern of future developments sufficiently clear that we feel safe in taking action committing ourselves to plans and policies of far reaching significance to our company.

We of RCA, as you have been made aware, had made substantial progress in planning for the future prior to the convening of this conference; we were at a stage where to proceed farther would, for all practical purposes, carry us beyond the point of no return. We needed the assurance which this conference has given us that we were going in the right direction before taking the last irrevocable steps.

AUTOMATIC MESSAGE SWITCHING

The great preponderance of opinion revealed at this conference is favorable to preservation in good health of the message telegram, and on the basis of that judgment it is our intention to take the first, but only the first step of many contemplated steps calculated to insure for the message telegram a continuing position of paramount importance among communications services.

The "first step" is the comprehensive automation of processes used in the handling of international message telegrams. The purpose of such automation is to

improve significantly the quality of service in respect of speed, accuracy and dependability, to lower quite materially the cost of handling telegrams and finally to create conditions favorable to the introduction of new and different forms of service.

This conference has not committed the industry either to what we of RCA call message switching, or to circuit switching, but has wisely recognized the merits of both. We consider the two methods to be more complementary than competitive and it shall be our purpose to use one or the other according to which is more suitable in each particular situation. Our correspondents will find us willing and able to cooperate in the use of either technique.

It is clear that circuit switching techniques for message telegrams require a greater abundance of inexpensive channels of great dependability than are presently available in the overseas service, and therefore to the extent that automation of telegram handling techniques is undertaken in the relatively near future, it must be done by the message switching method. RCA will proceed on that basis.

Our plans for automatic message switching do not require equivalent automation, or indeed any automation whatever in the central offices of our correspondents. In order to achieve the important purposes of automation, however, it is necessary that a

message format adapted to the requirements of automatic switching be used. Use of such a format imposes no significant burden upon the personnel in central offices, and therefore we are hopeful that we shall receive a large measure of cooperation by our correspondents.

In due time it can be expected that the problem of message format for automatic switching techniques will be dealt with under the auspices of CCITT, but for the interim period until standards are adopted, the message format recommended by those delegated by this conference to study the question is the one we propose to use.

AUTOMATIC TELEX SWITCHING

Full automation of telex switching is high on our priority list of important projects. You have been made acquainted with our plans to accomplish this, and you know that our timetable contemplates that our new switching system will be placed in service during the final quarter of this year.

Initially, and until experience provides a guide for further progress towards full automation, it is proposed that the overseas telex operator dial directly through our new switching system to our subscribers, but that the latter shall have access to overseas subscribers only through the intercession of our telex operators. Our system nevertheless has the built-in capability of being easily adapted for customer-to-customer dialing in both directions, and it is our in-

tention to move in that direction as rapidly as experience warrants.

DATA TRANSMISSION

In respect of the very important opportunities opening up for our industry in the field of data transmission it was not possible during this conference to do more than exchange thoughts with each other which may be helpful to attainment of a better industry understanding of the problems involved. No conclusions were reached and none were sought. We could only resolve to watch alertly and plan wisely to insure that our industry discharges its important responsibilities in this new field as it has traditionally done in respect of all other requirements for telecommunications services.

LEASED CHANNELS

In the deliberations of this group we were concerned with leased channels principally from the viewpoint of what should be done to maintain service in case of cable failures. Most of us believed and still believe that we should hold ourselves in readiness to serve leased channel subscribers by radio under emergency conditions, at least until such time as experience may have demonstrated that such precautions are unnecessary.

We have foreseen that the development of specific plans governing the provision of radio fallback facilities for cable channels would be difficult of achievement at this time, and this conference has confirmed our judgment. There is no disagreement concerning the requirement for emergency facili-

ties of some kind to support the cables but only in respect of whether or not radio fall-back facilities should be held in readiness, and if so to what extent and under what conditions.

Insofar as my company is concerned, we intend that radio channels will be kept in readiness for all conditions, normal and emergency, so long as there is a demonstrable need for them. We shall undertake to work out arrangements with each correspondent governing the amount of radio capacity required and the manner in which it shall be used under emergency conditions. I suggest that we should do this rather soon.

RADIO, CABLES AND SATELLITES

It seems appropriate at this time to speak briefly about my company's position relative to the much discussed question of what communications medium may in the end prove supreme and make the others obsolete.

Ours is an illustrious name in radio, and we mean to keep it that way. We have not, nor do we intend to slacken our efforts devoted to the improvement of radio. RCA Communications, Inc., is not, however, a radio company, but one that is engaged in the communications business. We are primarily interested in finding and using the transmission media that are most suitable for our various purposes, and we have no prejudices which inhibit us in the smallest measure from using cables or any other means of transmitting intelligence.

At this time we are greatly interested in the prospects for satellite communications, and we undertake to keep abreast of all developments in that field which have the possibility of evolving into something useful to us. I believe that at some time no more remote than five years we shall be using this method.

We are proceeding with plans for extending and improving our world-wide radio network, we are continuing also the development of plans for using cable channels most effectively. At some future time we expect to introduce satellite communications channels into our service. We shall use all available methods according to our judgment and the judgment of our correspondents and customers as to which is most suitable for any particular purpose.

REGULATION OF THE UNITED STATES CARRIERS

We hope that the discussion during this conference of regulatory developments in the United States has helped to clear up some of the questions in the minds of our friends from overseas. I believe Mr. Hawkins has dealt adequately with the technical aspects of regulation. I should like now to speak briefly about regulation from a policy viewpoint.

Our Communications Act which Mr. Hawkins told you about was designed and enacted primarily for protection of the public interest. The Federal Communications Commission was created and charged with responsibility for interpreting and enforcing this law.

The law referred to above was written by people, and the Federal Communications Commission is staffed by people who come and go as time moves on. Being the work of people the Communications Act could hardly be a perfect law, but it is not a bad law; on the whole I think we have little legitimate complaint about it.

The Federal Communications Commission being comprised of people is not infallible and may seem sometime inconsistent in its interpretation and enforcement of the Communications Act, perhaps it can be argued persuasively that this is desirable; certainly it admits of some flexibility in response to varying situations. There have been times when we have not been much pleased by decisions of the Federal Communications Commission, and that may again be true. In a spirit of objectivity, however, we are glad to recognize that through the years this important agency has functioned wisely, and as efficiently as circumstances have permitted. Our industry, according to our judgment, is better for its existence.

COMPETITION BETWEEN UNITED STATES CARRIERS

In recognition of the irritation frequently caused to our correspondents by the activities of the United States carriers I should like to comment briefly concerning what I believe the future holds in respect of the prospects of relief from this irritation.

It is clear that only merger of the United States international

telegraph carriers can altogether eliminate conflict and friction. All elements of our industry support the principle of merger legislation, and would welcome the opportunity to attempt to work out a plan for amalgamation. This is not presently possible for reasons which you understand.

We of RCA are cognizant of our share of responsibility for the irritation you suffer because of the competitive situation in the United States, and in all sincerity I tell you that we seek in all situations to minimize your irritation.

There is no possibility that the United States carriers will, indeed they cannot relax their competitive activities. I am convinced nevertheless that we should endeavor to avoid the injurious effects upon our correspondents when we project our battles into their midst.

INDUSTRY PROSPECTS

I shall conclude my presentation with a brief statement of how we of RCA view the future prospects of our industry.

It can be objected that I am not a good prognosticator of what is in store for our industry because I have a long record of optimism in respect of industry growth; certainly I cannot and do not pretend to speak with authority about the future, but I should like nevertheless to tell you what we believe lies ahead in the predictable future.

First let's examine briefly the main sources of our industry traffic and then estimate whether these sources are apt to shrink or grow. The sources to which I re-

fer are in the order of relative importance as follows:

(1) International trade.

(2) Personal social relationships.

(3) International governmental activities

The catalogue of traffic sources could be extended to include international travel, air and surface transportation, and other activities, but it seems to me the three sources mentioned are broad enough to encompass all such things.

Every nation, including those whose ideologies and purposes differ quite materially from ours, is actively engaged in plans for developing foreign trade. All of the nations represented here have in motion plans of comprehensive and enlightened character for increasing international commerce. It can scarcely be doubted by anyone even casually acquainted with the plans and purposes of these nations that with varying degrees of success in particular areas, good results will be achieved, and foreign trade will expand increasingly as hindrances are removed and stimuli are applied where needed.

In response to increasing opportunities, and on the basis of growing understanding of nearly all peoples concerning the advantages of foreign trade, more and more corporations and individuals are concentrating major emphasis upon international commerce.

My preceding remarks concerning foreign trade are those of a layman who has an important

incentive to follow the general trends and prospects, not those of a professional in this field. You will understand from what I have said that we of RCA anticipate continuing growth of foreign trade, with a corresponding effect upon our traffic.

Our second most important source of traffic which I have called "personal social relationships", scarcely needs any discussion at all; certainly you who every year see increasing hordes of tourists swarming through your countries, and who observe mushrooming growth of foreign colonies in your midst can learn nothing from me concerning the probable effect of all this upon our traffic and revenues, both directly and through stimulation of foreign trade and transportation.

Our third most important source of traffic is "international governmental activities."

Not only is every government on earth of which I have any knowledge constantly accelerating its international activities, but new governments are being created as new states emerge. These international activities of governments generate vast and increasing amounts of telecommunications traffic, and there is no end of this growth in sight. There can be no doubt that it is a great boon to the international telecommunications industry.

The prospects of our industry seem good—very good.

July 1, 1960
Park Sheraton Hotel
New York, N. Y.

"Talking" it over

Here's What Delegates, Observers Had To Say About Conference

At the conclusion of the conference RELAY took a sampling of the delegates and observers to determine what they thought of the conference, what was accomplished as a result of these meetings, and what they considered to be some of the highlights. This is what they had to say:

J. de Mattos e Silva, General Manager, Companhia Portuguesa Radio Marconi (Portugal): "This conference undoubtedly succeeded in accomplishing a step forward toward the standardization of technical systems, and operational methods. It contributed toward a better understanding of mutual problems both here and abroad. It was very well organized, conducted on a high technical level, and all that one would expect from RCA. We were most interested in the plans for the improvement of existing radio systems, and the studies made in America to establish new methods of radio communications."

* * * *

H. Wenzel, General Manager, Radio Austria: "A very useful conference to conform ideas and plans of all administrations and

operating agencies. The highlights were: (a) Message format for automatic telegraph centers which will certainly speed up the development and introduction of automatic centers all over the world. (b) The start of semi-automatic dialing westbound, in the near future. We think this conference is the start of necessary and cordial cooperation between all countries, and for the time being, at least, has led to mutual planning."

* * * *

Marden G. Cooke, Traffic Manager, Companhia Radiotelegrafica Brasileira (Brazil): "RCA Communications deserves high praise indeed for having arranged and conducted a worthwhile series of lectures and discussions dealing with communication problems and developments. Delegates representing the technical and operat-

ing groups from many countries were able to obtain the latest information about advanced planning and improved communications techniques, and had the opportunity for a general exchange of views on many important matters. In my opinion the highlights were: Automatic Message Switching; 50-Band Conversion; Satellite Communications, and Data Communications."

* * * *

H. L. Bisailon, Assistant Traffic Manager, Canadian Overseas Telecommunications Corporation (Canada): "This conference was evidently the result of intensive planning, and was admirably organized and of great value to all delegates. It should result in a better understanding and acceptance of the problems of the different administrations, and an appreciation of the solutions suggested by them. The steps taken by the working committee on development of a message format of conditioned telegram which may be found acceptable to administrations planning automatic message relay switching systems, was definitely one of the highlights of this conference. In addition, it provided all delegates with an insight into possible future trends in the telecommunications art."

* * * *

P. R. Easterlin, Planning Department, Western Union Telegraph Company: "The proceedings were conducted on a very

high level, and in a manner to elicit and encourage the exchange of information helpful to all. Out of these meetings should come a better understanding of the telecommunications problems of all administrations, particularly with regard to the position of the U. S. carriers. The papers on International Gentex, Automatic Switching Systems, and the enthusiastic discussions which provided an immediate world-wide reaction to future planning were the highlights of these sessions."

* * * *

B. Baggenstos, Head of Telegraph Section, Societe Anonyme de Telephonie sans fil (Switzerland): "Today, close cooperation between the telegraph administrations all over the world is imperative. I believe that only personal contacts between the interested parties will enable us to find adequate solutions to many problems. Such a conference is the best means of presenting all points of view and discussing the problems relating to the interconnection of telecommunication systems. We cannot expect tangible results immediately, the real results of these meetings will materialize in two or three years. Nevertheless a plan for the standardization of the routing indicator for handling the public telegraph service by message switching has been set up; and finally, valuable and extensive documentary material relating to the vast field of telegraphy has been presented and openly discussed."

Closing Address

By

T. H. Mitchell,

President,

RCA Communications, Inc.

I was glad, some six months ago, to authorize my associates to proceed with plans for this conference. It was quite apparent to me that such a meeting was desirable.

During all of the preparations, I followed as closely as circumstances permitted, the development of the detailed plans and arrangements. I confess I was a little fearful as the agenda approached completion, by its very massiveness. I had to be persuaded that we could accomplish, in credible fashion, the job to which we were committing ourselves.

Even as the conference commenced, I felt misgivings; but as day-after-day revealed the smooth accomplishment of the objectives for which the conference was called, my apprehension gave way to a feeling of satisfaction and confidence. I was proud, and greatly pleased, to observe the competent manner in which the leading elements of our industry applied themselves to problems of far reaching significance, and laid the ground work for progress into fields which promise to be so richly rewarding.

I share with you the opinion that our industry is on the threshold of a period of unparalleled opportuni-

ty for service, I pledge you that my company shall do all in its power, in full cooperation with its correspondents, to develop these opportunities.

It has given me much satisfaction to see here, what I believe to be, a spirit of cooperation, as opposed to a narrow, selfish attitude. It is not to be expected that unadulterated altruism will always govern our activities, nor would that be desirable. It is highly desirable, however, that we develop the habit of accepting compromises, and applying them to our operations, where to do so is clearly beneficial to the public, and the industry, even though not perhaps always to our individual advantage at the moment. The new technical developments which have been discussed here, and the ever increasing tempo of events in our industry, make this more than ever necessary. We of RCA, shall endeavor to conduct ourselves in accordance with this creed.

I should like, a few years hence, to look back at this conference and to evaluate the results which shall have evolved from it. I shall be particularly happy, if at that time there has developed an industry spirit that will lead us to solve our problems in a professional and statesmanlike manner.

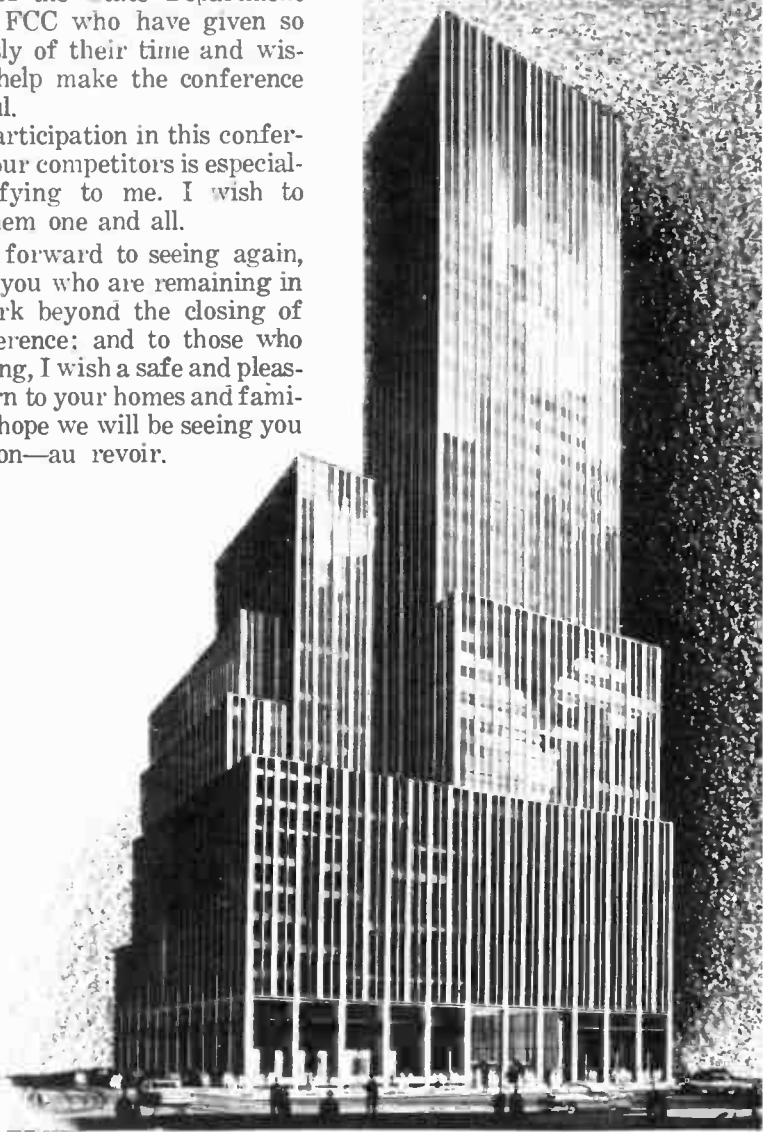
In concluding, I wish to express my profound gratitude to our friends from all parts of the world who have so competently and unselfishly addressed themselves to the problems presented. You leave with our affectionate regard and

renewed assurance of our loyal friendship.

I wish also to thank our good friends of the State Department and the FCC who have given so generously of their time and wisdom to help make the conference successful.

The participation in this conference by our competitors is especially gratifying to me. I wish to thank them one and all.

I look forward to seeing again, those of you who are remaining in New York beyond the closing of the conference; and to those who are leaving, I wish a safe and pleasant return to your homes and families. We hope we will be seeing you again soon—au revoir.



RELAY • *The Family Magazine of RCA Communications, Inc.*

In the broadcast studio aboard the USS YORKTOWN, nearing the 26th hour of working straight through with RCA San Francisco. (l. to r.): Grunberg, Elaine Shepard, reporter and broadcaster for the Prentice Hall Publications and Len E. Perry ETN Third Class.



We were flown from the carrier YORKTOWN by helicopter to Taipei's International Airport, where we were greeted by thousands of cheering free Chinese, led by Generalissimo and Mrs. Chiang. All the way into town the streets were jam-packed with milling crowds who had waited long hours to get a glimpse of President Eisenhower.

Our Taiwan representative Mr. Alfred Zee was on hand to greet me at the Press Center located in the Friends of China Club. Radiotelegraph and broadcast facilities were handled by the Chinese Government Radio Administration under the able direction of Mr. Cheng An-Kang.

While in Taiwan, I had my first

taste of real Chinese food, and found it thoroughly delicious and delightful. I shall long remember my ride in a peddi-cart, a modern version of the jinrikisha. The peddicart is a three-wheeled bike with a basket-like seat suspended over the rear wheels. I can assure you, the Chinese boy pedaling the cart could give your New York taxi drivers a run for their money.

We were up at 5:15 a.m., the next morning in preparation for the flight to Okinawa. Our two-hour stop-over at Okinawa was rather hectic, and Bob Hilton and the local staff of RITS deserve a lot of credit for handling the tremendous file in such a short period of time . . . 12,656 words and fone calls totalling 137 minutes.

Our visit to Seoul, Korea, was quite an experience. Crowds, in the millions, rivaled those of Manila and Taipei, but they were completely unmanageable. The President's car was engulfed as was the entire motorcade. It was an eerie experience looking out at a sea of screaming, shouting humanity. It was of some comfort to note that all were smiling and just trying to get a closer look at us.

The Korean Ministry of Communications in cooperation with the U.S. Army Communications personnel did a fine job of moving the heavy file of press traffic. Mr. Moon Sang Lee, Official in charge of the Press Room, never left the scene, and I was privileged to congratulate him for a job well done. Late the next day our press corps was airlifted by Army helicopters to the VI ROK Army Corps Headquarters, near the front lines, for a review by the President of the US-UN ROK Military Forces.

After reviewing the troops we were hustled aboard our helicopters and flown to the Seoul International Airport, where we found our giant jets waiting to fly us home by way of Hawaii.

Enroute to Hawaii we stopped briefly at Yokota Air Base in Japan for fuel. On hand to greet us once again was Bob Voss, but our stay was short and we had to say goodbye again. We executed a solemn agreement that some day, somewhere, in this troubled old world, Bob Voss and I would sit down and have a nice old-fashioned, unhurried visit.



Grunberg talks with Walter Winchell at the Taipei Shughan Military Airport.

Hawaii was all that I expected and then some. The scenery is breathtaking, the women are beautiful, and the weather and the prices are out of this world! Reg Goring and Hank Mortara, aided and abetted by a wonderful staff, did an excellent job. Unfortunately, this phase of the trip was labeled "rest" and not too much news was generated by the President's activities.

A few minutes before nine o'clock on the morning of Sunday, June 26 we touched down at Andrews Air Force Base, Washington, D. C., laden with fresh pineapples and colorful leis. We had traveled 21,705 miles by plane, 150 miles by helicopter, 215 miles by surface transportation, and 725 miles by ship, for a total of 22,795 miles in the short span of two weeks. It sure is a small world!

Andres Nominated For ETA KAPPA NU Award

The nomination of Roy K. Andres as a candidate for the nationwide ETA KAPPA NU award recognizing young electrical engineers was announced by D. S. Rau, Vice President and Chief Engineer. Mr. Andres, who is Assistant Manager of the Terminal Facilities, Equipment and Systems Division was the only one of the company's engineers named as a candidate for the honor.

The ETA KAPPA NU recognition is awarded annually for both technical achievement and service in the interests of mankind. Mr. Andres' nomination cited not only his outstanding work in the international communications field but his efforts in the area of medical electronic research as well. His work in the latter field has been purely a matter of personal interest. During the past four years he has collaborated with medical researchers in developing more sensitive electronic instruments to measure blood pressure, blood volume and heart damage.

He is presently organizing another program of medical research to collect the blood patterns of a large number of patients and healthy individuals for analysis by electronic digital computer techniques. This research may lead to the early detection of certain diseases and uncover possible clues to now unsuspected causes of dis-



Roy K. Andres

eases such as cancer, heart and blood vessel disease.

A graduate of New York University, Mr. Andres also did graduate work at the Massachusetts Institute of Technology in switching and computer theory. Since joining the Company in 1946 he has been engaged in the development of automatic telegraph switching systems and multiplex communications systems. He holds patents in these and other fields.

Mr. Andres has been a resident of Glen Cove since 1949. He lives with his wife Isabelle and three children at 1 Inwood Road.

Happy Birthday To Us

Relay Magazine Twenty Year Veteran

This issue marks the twentieth anniversary of our family magazine. Volume 1 Number 1 appeared in July 1940.

Today, there are nineteen separate RCA employee publications in existence, but RELAY is the oldest of them all. Being the senior RCA house organ we hope you don't mind if we sound off just a little.

Newsmen will tell you that there is nothing as old as yesterday's paper, but this is a cold, impersonal evaluation of the commercial press. Thumbing through the back issues of RELAY is like spending an hour in pleasant conversation with an old friend. For here you will find a record of individual and company success that has no counterpart in the records or the archives of this Company.

During the past twenty years RELAY has recorded many important and significant developments both in the lives of our people and in the history of our Company.

The publication was hardly a year old when it began to list the names of employees called into the armed forces during World War II. An early popular feature was, "Letters From Servicemen" which kept us in touch with our soldiers and sailors in those far away places with strange sounding names.

The story of Station "X" covering the exploits of our overseas staff who followed the Army through the campaigns in Europe, and re-established radio communications on the continent, was one of the most widely read wartime features. From 1941 to 1945 we were "Digging For The Doughboys"; Buying War Bonds; Donating Blood To The Armed Forces; and doing such an outstanding job of maintaining essential international communication services that we were cited by the U. S. Government for our contribution to the war effort.

The continuing post-war story was the Pandora Plan, the gradual change-over from Morse to 5-unit tape relay operations. Our family magazine made a pictorial record of the early stages of the mechanization program, and continued to report on the changing scene in central radio office operations and message handling techniques. The day we inaugurated Telex Service with Holland we were there to set this accomplishment down in the record. The technical improvements that have come along in the past fifteen years have all been reported in the pages of RELAY as part of the continuing story of our progress. It is all there, from the days of Morse operations, to the first



transmission of a 5-unit message, and later the development and growth of Telex and Leased Channel Services, right up to and including the most recent supplementary service now provided through the new trans-Atlantic coaxial cables.

To be sure the past two decades have been crowded with events that added to the growth and development of our Company. They

were interesting and challenging years marked by group progress and individual achievements. From all indications the years ahead should provide us with many more big stories about RCA Communications and its people. RELAY will continue to report on the changing scene, and the events that take place in this branch of the RCA Family.

Good Citizenship— How Do You Rate?

There's a fellow you know who considers himself a good citizen. . .

He has never had a brush with the law, not even a traffic ticket.

He votes in every Presidential election, also some state. He pays his taxes — with a minimum of grumbling. He even holds his newspapers till he comes to a trash basket.

How does this man rate as a citizen?

Certainly higher than some. We might say he has satisfied the minimum requirements of a good citizen. But he's overlooked a big part of his obligations.

Good citizenship is more than good behavior — more than fulfilling minimum obligations. A further test, equally important, is this: How valuable a member of the community is he?

Perhaps the citizen in question has several children attending public school. Who is responsible for seeing they get the right kind of education?

The school board, of course. But who elects the school board, and who sets the policies it carries out? Answer: parents who take an active interest in the school situation!

And what about the PTA? That can be a big factor too. PTA's work towards better education — raising teaching standards, modernizing school facilities, improving teaching methods.

Or suppose our citizen runs a business. He objects to high rents and taxes, or wishes the city would widen the main thoroughfare, to bring more business in.

Has he taken any interest in his local government? He votes for the President, every four years, but local election day is just another day to him. He barely knows the candidates' names, let alone their policies. Little wonder, then, that nothing gets done in his town.

Or perhaps he passes a group of slum buildings, and remarks what a shame it is that someone doesn't do something about better housing. There's a civic housing group in his town, but he's never joined it.

He worries about mounting juvenile delinquency. But he's not concerned about the Boy Scouts, or the recent drive to build a Youth Center. And when his local church group approaches him to form a youth counselling group—he sends his regrets—he's "too busy."

This fellow—the one who considers himself a good citizen—could be a lot better one . . . with a little effort.

Each year the National Association of Food Chains gives a Good Citizenship Award to the store manager who does the most for his community.

Since the supermarket has become so much a part of community life, the NAFC, an organization of leading food retailers, was interested in knowing how to spot a good citizen. They came up with a list of good citizenship requirements, made it into a questionnaire, and distributed it to chain store mana-



gers all over the country.

Here are some of the criteria on which the award is based — they serve as good ones for every able-bodied adult.

How many civic groups or business organizations do you belong to, and take an active part in?

What contribution have you made to religious activities in your community?

How much time have you devoted to groups which work for the youth of your community?

Have you voted in all elections, national, state, and local? Have you been acquainted with specific community issues when they were decided by referendum?

Do you let your Congressman or Senator know where you stand on

current issues?

Have you done all you can to encourage others to vote?

Are you acquainted with the school program in your community, and do you take an active part in your local PTA?

Can you list the major issues currently before your local government?

Aside from monetary contributions, have you donated any of your time to welfare and charity organizations?

Are you well informed on local, state, national, and world affairs?

These questions should set you thinking — and help you to rate yourself as a citizen.

Stop and think about it — how good a citizen are *you*?

People and Jobs

The following changes on the staff were announced during the past month:

Hector Rubianes from Part-Time Messenger to Office Boy, General Superintendent's Office.

Carmelo Russo from Check Clerk II to Automatic Operator.

Valentine Comfarto from Automatic Operator to Radio Operator.

John Ludemann from Office Boy to Mail Room Clerk.

Dominick Carbone from Check Clerk II to Automatic Operator.

Henry C. Russo from Branch Office Clerk to Automatic Operator.

Richard Bianculli from Branch Office Automatic Operator to Student Operating Technician.

Glanval Brown from Check Clerk II to Student Operating Technician.

John T. Ralph from Service Clerk to Student Operating Technician.

Thomas Scott from Automatic Operator to Student Operating Technician.

Richard Bishop from Automatic Operator to Student Operating Technician.

Joe Pettigrew from Messenger to Office Boy, Engineering.

Vincent DiPrima from Operating Maintenance Technician to Technical Instructor.

Alberta Abrams from Check Clerk II to Telephone Switchboard Operator.

Andre Medina from Service Clerk to Automatic Operator.

Harry Schneer from Messenger to Mail Room Clerk.

James Hoysradt from Check Clerk II to Automatic Operator.

W. I. Matthews from Acting EC to Engineer-in-Charge Point Reyes.

George L. Bullwinkel from Design Engineer to Group Leader, Terminal Facilities I & D.

David Zekaria from Design Engineer to Group Leader, Terminal Facilities I & D.

Preston C. Knight from Technical Supervisor to Technical Instructor.

James R. McDonald from Plant Engineering Assistant to Operations Engineer.

James R. Kane from Jr. Design Engineer to Design Engineer.

Anthony Di Tore from Office Boy to Check Clerk II.

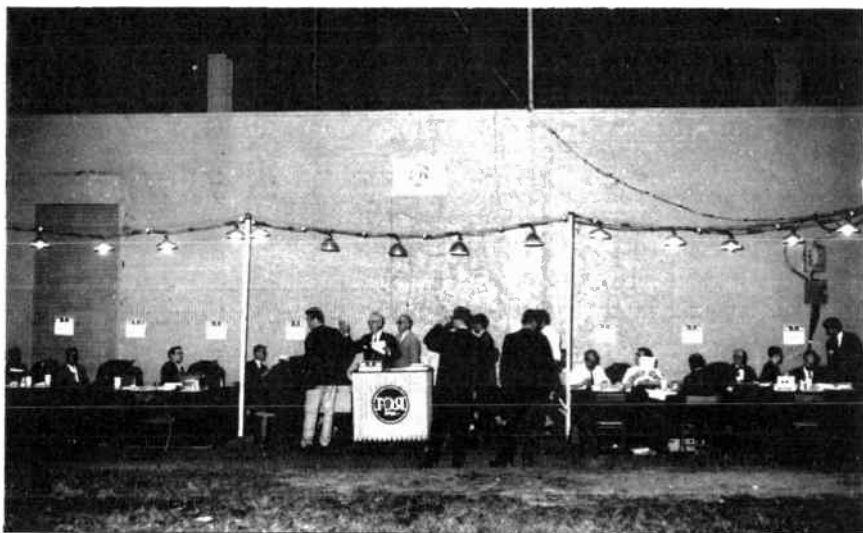
William Martin from Branch Office Clerk to Branch Office Operator.

Thomas Ness from Check Clerk II to Automatic Operator.

Frank Trombetta from Messenger to Key Punch Operator.

Ned Jackson from CRO Porter to Check Clerk II.

A. St. Germain from Commercial Representative, San Francisco to Superintendent Marine Activities, Pacific Coast.

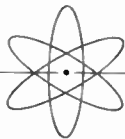


Title Fight Via RCA

Photo Above: This was the Company installation at the Johansson-Patterson title fight held in the Polo Grounds in New York City on the night of June 20. Our facilities were located in left field about 125 feet from the ring. This installation afforded newsmen the opportunity to communicate directly to their overseas news offices the story of how Floyd Patterson KO'd Johansson in five rounds to regain the Heavy-weight crown.

Photo Right: Press Representative George Shawy (right) talks with Ingemar Johansson shortly before the big fight. George was probably selling the ex-champ on using RCA service to Sweden.





Briefly Told . .

TELEX TO INDIA: Thompson H. Mitchell President of RCA Communications, Inc., announced the inauguration of Telex service between the United States and India on July 1. Initially the service will be restricted to the continental United States and the Indian cities of Bombay and Ahmedabad, however, the service will be expanded to other cities inside India in the near future.

The addition of India brings to fifty the number of overseas points included in RCA's global telex network.

BREAK GROUND FOR RCA PLANT: A dynamite blast, long a familiar sound in the soft coal fields of Southwestern Pennsylvania, was triggered by Gov. David L. Lawrence to break ground for a new Radio Corporation of America communications equipment center and industrial electronic products plant in the Washington-Canonsburg area.

Governor Lawrence hailed the project as "an important economic boost for all Pennsylvania and the Washington-Canonsburg community in particular".

The new plant, which will become the forty-second RCA installation in Pennsylvania, will be erected on a 50-acre site along the Washington-Canonsburg road at Arden Downs in Chartiers Township, Washington County, two and one-half miles north of Washington. It is expected to be completed in the Spring of 1961.

NEW DATA PROCESSING CENTER: RCA Electronic Data Processing Division has opened new branch and district offices at 2 Penn Center, Philadelphia, to provide sales and service for computer system customers in Eastern Pennsylvania, Southern New Jersey and Delaware.

The 5,000 square feet of office space will include two rooms for training customers in programming and the operation of computer equipment. The office will be headquarters for forty-five people concerned with sales, methods and systems analysis support for customers.



What A Day, What A Crowd Read All About Annual Picnic

They say that if you are lucky enough to select a warm, sunny day, then provide the proper amount of good food and refreshments, serve it up to a congenial gathering of employees and members of their families, you will have all the ingredients for a perfect picnic.

We put this recipe to the test on July 9 at the Platzl Brauhaus in Ladentown, New York, and we hit the jackpot. The 1,742 employees and guests who attended made this the biggest and best annual picnic ever sponsored by the Company .

To summarize the day's activities, there were toys for the children; the drawing for the door prize, an RCA portable television receiver, which was won by Ludwig Engler, VP and General Sales Manager; softball, baseball and badminton games and swimming for the more athletic types; shady trees and pleasant companions for those who came to relax; and food aplenty—hot dogs, hamburgers, roast beef, corn-on-the-cob, all served cook-out style with beer and soda, milk and coffee, to quench thirsty appetites.

As the day came to an end, one employee summed it up this way: I've been coming to these picnics for several years, but this one tops them all. I have only one complaint, the time passed too quickly."





Piwinski and Fanning (Again?)

Take Top Bowling Honors

The 1959-60 bowling season was brought to a fitting climax at the Third Annual Dinner Dance held in the Hotel Edison, N.Y.C., on June 11.

Some 160 employees and friends gathered to honor the top bowlers and to spend the evening dining and dancing to the music of Radio Operator Vincent Scotto's orchestra.

The highlight of the evening was the presentation of awards and trophies to the winning teams and top individual bowlers. Once again Ed Piwinski and Regina Fanning with high individual averages of 179 and 138 respectively added an-

other trophy to their growing collection. Regina has been the top woman bowler in this Company sponsored league for the past three years. Ed Piwinski has been collecting bowling trophies for more years than he cares to remember.

Lon A. Cearley, VP Finance, presented trophies to the winning team in the Men's Division (Shake-ups) and Women's Division (Misfits) as well as individual awards to the second and third place individual high average bowlers.

Following are the final standings for the 1959-60 season:

Men's Division

1. *Shakenps*
2. *Fixers*
3. *Vets*
4. *Marine*
5. *Splits*
6. *Traffics*
7. *T-Men*
8. *Ten Pins*
9. *Sales Beagles*
10. *Sparcs*
11. *Real Estate*
12. *Tabs*
13. *Mux*
14. *Gutterballers*
15. *Guided Missiles*
16. *Telephone*

Women's Division

1. *Misfits*
2. *Alleycats*
3. *Strikettes*
4. *Glow-worms*



Lon A. Cearley, (center) VP, Finance congratulates Ed Piwinski after presenting him with trophy as top bowler in the men's division. Dick Thomas, President of the League is shown on the right.

BROAD STREET BREVITIES

Assistant General Attorney Len Tuft attended the Democratic Convention in Los Angeles last month as full delegate from the 3rd Congressional District. Len, local leader of the Levittown Democratic Party, represented all the Long Island South Shore communities from Seaford to Long Beach.

Vicki Zamanski (General Accounting) proudly announces that her brother, Capt. Frank Zaman-ski, USN, has assumed command of the Great Lakes Training School in Illinois.

Helen Swertschkoff (General Accounting) must be trying to establish a female counterpart to the male tradition of distributing cigars to celebrate new arrivals.

She used lollipops and candies to announce the birth of her first grandchild.

Jim McDonald (Engineering) and his bride, Nancy Masotto, (Traffic Engineering) honeymooned in Nassau . . . while Credit's Pat Chase and her groom, Jerry Mileti, spent their wedding trip in Virginia Beach.

George Hartford (PRS) reports there is good fishing off Montauk Point. He and his family recently returned from a 5 day camping trip on the Island.

Pete Theodore (Storekeeper) named the baby Joseph Michael . . . Lloyd Worrell (I Office) became the father of a 7 lb. 15 oz. boy . . . Vic, Jr., arrived at the home of Pauline Valli, formerly of the

Anna Casserly, Commercial Research, (third from left, back row), was honored at a luncheon last month on the occasion of her 25th anniversary with the Company.



Treasurer's... Charles Dodt (IBM Tab Operator) and his wife Grace, former Key Punch Operator, welcomed Charles Jr. last month.

Walter Lyons (Station Facilities) happily played host last month to his daughter and her family who arrived from their home in Kansas City for a two week visit.

Congratulations to Adam Sulkowski (Technical Supervisor) and his wife, Florence, who celebrated their 25th wedding anniversary recently... and to Roslyn Zirin (Key Punch Operator) who became engaged to Lawrence Schisel.

After an absence of 10 years, Al Creswell (General Superintendent's Office) returned to England, the land of his birth, and spent a month visiting his family and renewing old friendships.

Apologies to Roy Cicerello, whose name was omitted from the Cicerello "family roster" we published last issue. Sixteen year old Roy, a messenger at RX Office, brings the total number of Cicerellos in the RCA Family up to 5.

Jeanette Dempster (Traffic Accounting) is off on a trip around the world.

Key Punch Operators Ruth Ireland and Ann Simbala are both recuperating nicely from recent operations. Ann, by the way, just moved into her new home in Franklin Park, N. J.

Bob Ward, Jr., is the proud owner of a new bicycle thanks to Pop's (Personnel's Bob Ward) luck in a local Sunoco Gas Station drawing.



Victoria Carroll 19 year old daughter of Ray Carroll (Harborside) recently was capped after completing her first year of training at the Hackensack School of Nursing where she is studying for RN.

Obituaries

Armand N. Aymong, former Branch Office Manager, (retired) passed away on July 19 at the age of 78.

Mr. Aymong joined the Company in 1920 as a Radio Operator and served as a Branch Office Manager from 1921 until his retirement in 1946.

* * * *

William P. Dunn, former Chief Rigger, Rocky Point, (retired) died on July 19. He was 71 years of age.

Mr. Dunn was first assigned Chief Rigger at Riverhead in 1921. He worked on special assignments at Tuckerton and Bolinas, but most of his duties were at Rocky Point where he spent the best part of his 33 years with the Company. He retired in 1954.

Emblem Awards

July August



Ellen E. Sinnott
New York
40 Years



John W. Ashmore
Riverhead
40 Years



Thomas B. Herlihy
New York
35 Years



Canton V. Draigh
Rocky Point
35 Years



Alonzo B. Huntington
San Francisco
35 Years



Ernest L. Herfurth
New York
35 Years



Carl Erickson
Rocky Point
35 Years



Howard A. Moyer
New York
35 Years



Joseph Grygorewicz
New York
35 Years



Marshall Paton
New York
30 Years



Barstow W. Philpot
San Francisco
30 Years



Frederick J. Sager
New York
30 Years



Eugene D. McAuliffe
New York
30 Years



Carl M. Baumgardner
Rocky Point
25 Years



Edgar A. Walters
Riverhead
25 Years



Louis A. DeVoto
New York
25 Years



Harry L. Rust
San Francisco
25 Years



Abraham Davidowitz
New York
25 Years



Anna A. Rush
New York
20 Years



Roger Lanoix
Haiti
20 Years



Edwin J. Williamson
New York
20 Years



Manuel D. Pires
Kokohead
20 Years



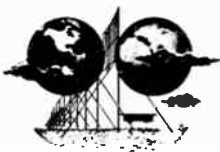
Michael J. Cafiero
New York
20 Years



Robert Mollenhauer
New York
20 Years



Frank R. McGinty
New York
20 Years



POINT TO POINT



ROCKY POINT

By Bob Oliver

Rigger Joe Ferrigno and the former Marie Carrollo were married on June 4 at the Church of the Immaculate Conception in Astoria, New York. After the reception the honeymooners flew to Miami, Florida.

Rigger Elvar Lawson also took the big step on July 1 when he and Mrs. Doris Halsey were married in Islip, N. Y. We understand that they spent a few weeks in Maine. Heartiest congratulations to both couples.

Elmer Klahn recently attended the graduation of his daughter, Mona who took her BS in Chemical Engineering at the University of Rochester. At the same time her husband, John, received his MD from the same university.

Glad to see Bob Larsen back after his recent illness.

L. E. Peterson is back after a month of vacationing in Los Angeles and other western states.

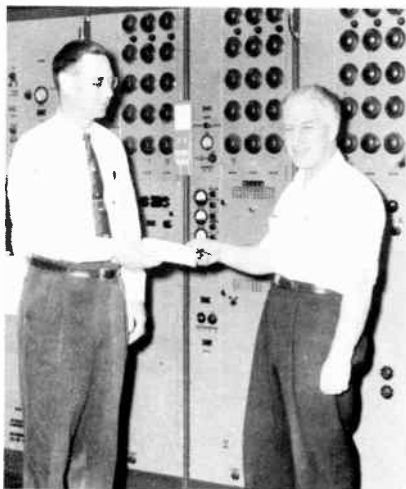
Your reporter spent a few days in Washington, D. C., where he visited with his father on his 81st birthday.

New additions to the Rigging Crew include: Messrs. Dell, Trubisz, and Curven. Welcome fellows.

Congratulations to the John

O'Hara's who are the proud parents of a new baby boy.

Otto Olsen is looking forward to his August vacation which he will spend with his family at their summer bungalow on Lake Champlain. Otto says they will spend quite a bit of their time exploring the lake in their aluminum outboard motor boat. Allen Browning intends to do likewise on Long Island Sound with his new putt-putt.



EC Ed Murphy of Riverhead (left) presents a \$25 suggestion award to Technician Fred J. Martin for his suggestion relative to an improved oscillator adjustment method. This was the second suggestion award Fred received this year.

RIVERHEAD

By Connic Mattie

We've heard of people doing strange things on holidays but can you top this? Roy Winterbottom, spent the Memorial Day weekend on a snake hunting expedition in Jersey. It seems his young son is an amateur herpetologist.

Rigger A. B. Marsh celebrated 25 years with the Company on June 7th and received his 25-year service pin plus plaudits from his fellow-workers.

New arrivals in RD families: A new granddaughter for Supervisor A. T. Ellwood and a grandson for Supervisor S. F. Sadler.

Technician D. F. Bottorff was surprised to see the face of his pretty daughter Ellen, on the front cover of the "Buffalo Courier" Sunday supplement recently. The magazine featured an article on the Visiting Nurse Service of which she is a member.

Technician F. B. Kennell attended the graduation exercises of his son from R. P. I.

John Guy recently did his best to get the Riverhead Fire Department a shiny new engine by attempting unsuccessfully to demolish the old one.

WASHINGTON

By Robert E. Hurley

President Eisenhower's much discussed and eventful goodwill tour of the Far East is now history. ADM Ed Grunberg was with the Presidential Party and an ac-

count of his trip appears elsewhere in this issue.

Bob Wahl's Mt. Calvary Junior Boys Baseball team won the pennant in their league for the second straight year. The team mainstays are Ray Gosweiler, Ronnie Weeks, Frank Ragione, and John Mac-Inerney, all of whom are being eyed by big league scouts.

The Fishermen Three: Shaw, Lee and Stansbury, report a near record catch on their recent rod and reel expedition.

Company Tuition, Loan and Refund Plan students, Libby, Burgett and Francisco are chalking up a goodly number of A's, in the course of their training for technical classifications.

By the way, Bob Francisco was elected to serve as Shop Chairman for the next twelve months after a very close election. Congratulations and best wishes, Bob!

Vacation Notes: Joe Ceil is back from his annual trip to his old Kentucky home in Bardstown . . . Lee and Burgett vacationed in Indiana . . . The Moynihans acquired enviable tans while vacationing at New Hampshire's fabulous Hampton Beach . . . The Jack Hales enjoyed the sun and surf along New Jersey shores . . . The Constantines motored in their car and trailer to Myrtle Beach, S. C. . . . Gil Schmelz took to the country where the tall corn grows—Iowa . . . Grimes and family journeyed to Bluefield, West Virginia . . . Earl Wilkinson remained in town to fulfill his civic duty serving as a jurist.

Manila Greets President Eisenhower And RCA Was There All The Way

The entire city of Manila was feverish with the happy, thrilled anticipation of the President's visit. The common greeting on the streets among young and old alike was, "Ike Is Coming!" And when he came, two million strong lined the streets to throw tons of confetti and spontaneously burst forth in a demonstration of affection, roaring, "Mabuhays" to a man they truly love.

Correspondents were deeply touched by this display and they reported that this genuine love of a people had brought back the famous "Ike grin" which they had missed since leaving the States.

The city of Manila took on a festive air, and through it all, RCA was there all the way, recording for history the eternal friendship of two peoples.

Not only was the business pace terrific, but we too were carried along with the national tide of enthusiasm and excitement. There were demands for leased teletype and voice channels, leased channels for radiophotos, programs, plus direct facilities for telex and message traffic from the Manila Hotel Press Center. The work to be done was tremendous and the entire Manila staff did an excellent job. We will not attempt to single out a few at the risk of overlooking others, but I can assure you that all sections and de-

partments worked perfectly like one team to do credit to RCA.

Aside from handling 53,000 words from the Press Center, a special communications link was established with the USS YORK-TOWN, with three teletype channels and one voice channel for Program Transmissions. To and from this ship, which carried the Presidential Press Party to Taipei, there flowed 55,000 words of press messages and 12 successful broadcasts were made between June 17 and June 18. According to Jack Friedman, this was the first time correspondents have had successful broadcasts from a ship during their many Eisenhower trips.

While we did our best, we do want it known that the brightest star of the RCA show was Ed Grunberg. Sleep was out of the question for Ed. It seemed that he was forever taking breakfast—there was only twilight and dawn ever since he left Washington.

We were not alone in our praise for the fine job Ed Grunberg turned in. The correspondents know him quite well as I witnessed myself. He introduced me to Henry Taylor, top reporter for Scripps-Howard. Mr. Taylor, a young, tall good-looking man came over to the RCA counter, tapped Ed on the shoulder and said, "Hi Ed, how was Rio! By the way, say



President Eisenhower, wearing a barong Tagalog of hand-embroidered pina fabric, accompanied by President and Mrs. Garcia of the Philippines. They are shown entering the Malacanang Reception Hall to attend a state dinner honoring the American President.

thanks to your boys for me, they did a fine job pulling me out of the fire. I sure made the deadline." A little later I also met Wayne Hawks who takes over for Press Secretary Jim Haggerty. When Ed asked him how things were going he remarked, "Fine, just fine, Ed." As I watched Grunberg move about among the correspondents, all top names in the newspaper world, I realized Ed must have what it takes because most of them were using the "red blanks."

To top it all, an RCA badge opened magic doors for me. I gained admittance to the Manila



President Eisenhower is amused as he looks through back copies of the Manila Tribune with President Garcia of the Philippines.

Hotel Winter Garden where a luncheon honoring President Eisenhower was held. Security was extremely tight, but I managed to stand beside some very lovely Pan-American girls and President Eisenhower did wink, smile and wave at us. At that point I became a little bolder, and with my badge in full view I elbowed my way into the banquet room. Finally I was close enough to the President that I could have tapped him on the shoulder. I was so excited and thrilled. How I wish I had

the nerve to ask for his autograph! But I didn't want to push my luck too far. Indeed, that little RCA badge gave me a golden opportunity to get close to the President of the United States. This is RCA prestige at its best!

Now that it is all over we would like to sum this up in the words of one RCA employee who said, "You know, in RCA, you shoot the works first, and then you worry after it's all over how we were able to do it in the first place!"

— Dela Vicente



Robert Montgomery (right) Special Assistant to President Eisenhower files an RCA radiogram at the Press Center in Manila, Max Morales (left) RCA representative accepted the message.



During President Eisenhower's recent trip to the Philippines this was the RCA counter display at the Press Center in the Manila Hotel. The staff shown from l. to r. are: A. Calingo, Angelina Bautista, J. Sto Tomas, M. Leyno, Lydia Jimenez, P. Limchoc, M. Servillon, and M. Morales.

