

# Proceedings of The Radio Club of America, Inc.

Volume 49, Number 1

March, 1975



Founded 1909

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THE RADIO CLUB OF AMERICA, INC.  
P.O. Box 2112, Grand Central Station, New York, N.Y. 10017



Founded 1909, New York, U.S.A.

Price \$2.50

# The Radio Club of America, Inc.

BOX 2112, GRAND CENTRAL STATION, NEW YORK, N.Y. 10017

Organized for the interchange of knowledge of the radio art, the promotion of good fellowship among the members thereof, and the advancement of public interest in radio.

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## TREASURER'S REPORT, 1974

### FINANCIAL REPORT FOR THE YEAR 1974

### BALANCE SHEET AS OF DECEMBER 31, 1974

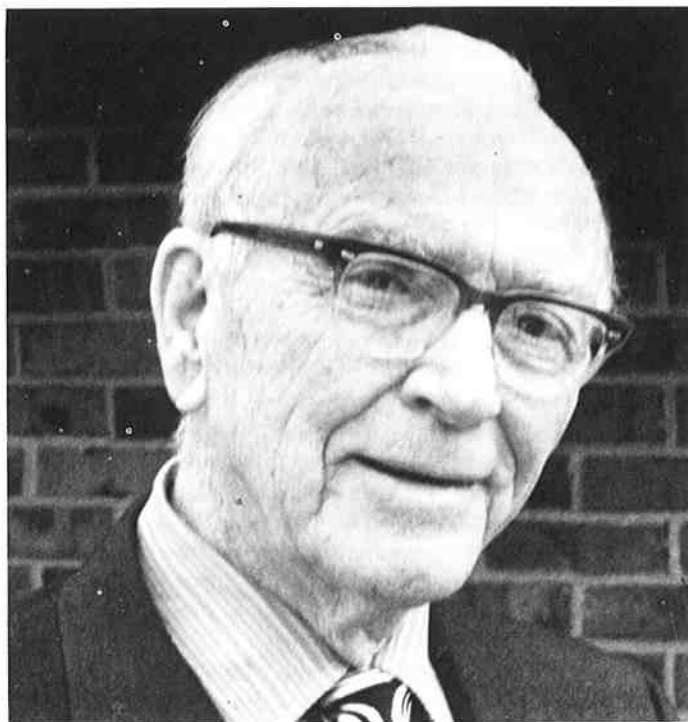
<b>1. Receipts</b>			
a. Dues received from 63 new Members, 309			
Regular Members & 116 Fellows .....	\$5,007.00		
b. Sales of Club Pins & Fellow Certificates ....	194.50		
c. Proceedings ads & Professional Listings .....	2,220.00		
d. Interest and Dividends earned.....	679.54		
e. Contributions .....	125.00		
f. Miscellaneous.....	51.24		
g. Surplus from 65th Annual Banquet.....	123.17	\$ 8,400.45	
<b>2. Expenditures</b>			
a. Consulting fees and office expenses of			
Executive Secretary including rent,			
stationery, general postage & telephone.....	\$2,753.35		
b. Meetings and public relation expenses .....	873.49		
c. Publication & mailing expenses of two			
issues of Proceedings & three Newsletters ..	3,651.64		
d. Insurance and legal fees .....	86.49		
e. Awards, pins and plaques.....	43.51		
f. Miscellaneous.....	94.38	\$ 7,502.86	
<b>3. Surplus From Operations .....</b>	<b>\$ 897.59</b>		

<b>1. Cash:</b>			
a. Checking account in Irving Trust Co. ....	\$1,165.09		
b. Savings account in Irving Trust Co.....	5,742.88		
c. Life Membership Fund in Emigrant			
Savings Bank .....	1,628.03	\$ 8,536.00	
<b>2. Investments:</b>			
a. 100 shares AT&T Co. stock @ 45 .....	4,500.00		
b. 3 AT&T Co. 8-3/4% Debentures .....	300.00		
c. 6 AT&T Co. warrants @ 1/2 .....	3.00	\$ 4,803.00	
<b>3. Club Properties</b>			
a. One projector screen (original cost) .....	78.39		
b. 88 Fellow Club Pins @ \$1.79 each .....	157.52		
c. 102 Member Club Pins @ \$1.00 each.....	102.00		
d. Miscellaneous Furniture & Fixtures .....	1.00	\$ 338.91	
<b>4. Total Assets .....</b>		<b>\$13,677.91</b>	
<b>5. Liabilities: None Outstanding .....</b>		<b>\$ 0</b>	
<b>6. Net Worth: .....</b>		<b>\$13,677.91</b>	

David Talley  
Feb. 5, 1975

# An Interview with Paul Godley

This interview was a part of the program at the Antique Wireless Association Historical Radio Conference, Sept. 25, 1971 at Canandaigua, New York. The interviewer was Wayne M. Nelson, W4AA. This paper was transcribed by John A. Bryant, W4UX, from a tape recording made by Louise Ramsey Moreau, W3WRE.



Paul F. Godley, at Antique Wireless Assn. Historical Radio Conference September 25, 1971, on his 82nd birthday.

*Picture by J.A. Bryant*

NELSON: Paul Godley is a Fellow of the Radio Club of America and a past president; a Fellow of the Institute of Radio Engineers, now Institute of Electrical and Electronics Engineers, and a founding member of the Association of FCC Consulting Engineers. He was recognized and honored with a bronze plaque by the Executive Council of the Second Radio District. The American Radio Relay League, also in 1930, made a Sheepskin Award and in 1958 made a Merit Award. The Radio Club of America, in 1950, presented him the Armstrong Medallion. The Veteran Wireless Operators Association in 1935 gave him the Marconi Memorial Award and again in 1965 the de Forest Audion Award. Broadcasting Magazine in 1946 ran a feature story about him titled "Our Respects to . . ."

Paul, you have lived a life that has been very, very rewarding and we have had a great time looking on you as a legend and a tradition over all these years. You have taken time from amateur work to engage busily in broadcasting and you have taken time from broadcast engineering to still be a good ham. Since the principal thing about our meeting today is the fifty years — or will be in December — since the first message spanned the Atlantic on short waves, I would like to ask you about the rather bleak temperature over in Scotland when you received the signals from America, 1BCG. Won't you fill in some of the things the fellows have wondered about?

GODLEY: Well, I liked the temperature on the site of that test work in Scotland last May and June. In December of 1921 it was rather miserable and difficult. I suppose most of the people here have read the story of those Transatlantic tests, and one thing I suppose most of them haven't fully appreciated is the fact that the checking operator assigned to me for those tests — a commercial operator of the British Marconi Company, by no means a ham — was interested in helping to the point that he went through the same difficulties that I did — mud, water,

high winds and cold. But I was the only one who really suffered from it, in that I caught a very heavy cold. According to him it was because I didn't drink enough Scottish liquor. It was a tough situation — however, something that no amateur would have worried about in the circumstances. The thing was to try to go through and accomplish something. That was the driving force and from out of that seemingly came all the energy necessary to cope with the weather, the hard work that had to be done and the lack of sleep throughout the period.

NELSON: Paul, you have been a legend to all of hamdom over the years. The hams probably do not know as much about your professional activities — some of that is really news to some of the hams. The work you have done is something we would like you to tell us even a bit more about. Won't you feel free to digress from one point to another as you will, please?

GODLEY: Something I think none of the hams has known is that the roots of what was done in Scotland were really planted many years before, which is rather a long story.

As a very small child in Western Kansas, later Missouri and then central Iowa, I heard a very great deal, almost constantly, from the elderly people in these communities, some of whom had been on wagon trains crossing the continent, about the terrific impact which the transcontinental railroad and its essential Morse telegraph had had and was having on a burgeoning nation, a nation which now was tied together from coast to coast. When we got to central Iowa, so that my brother, who was twelve years my senior, could go to college, he shortly set up a telegraph line between our home and that of the son of a doctor who was a classmate of his. That fascinated me, and upon finding my interest, my brother began to tutor me in the basic electromagnetic laws and long before I was old enough to go to school I was learning and reading the Morse code and mastering the telegraph.

My father was an ordained minister of the Protestant church and an educator. My mother was also an educator. She was an artist and taught in two colleges. Consequently, our weekend guests and dinner guests regularly consisted of educators, church people and oftentimes foreign missionaries. I think when I first heard the rumor of the boy in Italy who thought he had a wireless telegraph, or telegraph without wires, a rather amorphous dream began to form in a very small boy's head about the possibility that some day, without wires, the whole world could be tied together and from which there could come general understanding between all of the disparate peoples in the world with their differing ideologies and tongues; and that out of that the whole world might be bound together and we could come to understand each other, after which there might sometime be complete amity and world peace.

I bring in this early part because, due to circumstances beyond control, I was thrown on my own at the age of fourteen for actual survival and for such advanced education as might be essential to the boyhood dream. There again, Mr. Morse came into the picture, because I financed my college and university education with Morse, working on the railroads and with the various commercial telegraph companies, press wire services and so forth, which made it very easy.

Then, at the University of Illinois, Dr. Berg, who was an eminent educator and had long been a close associate and at one time a roommate of the eminent Steinmetz of General Electric Company (and I had gone to the U of I after college because of Berg) told me to my deep disappointment: "Paul, nothing of consequence can happen in the wireless field during your lifetime. Forget it. The place for you to work is in the transmission of electric power at high voltages across long distances." That discouraged me deeply. Even so, I clung to the dream.

### **Trouble With The Long Waves**

I taught school the following year. Two years later I was on the equator, up and down the Amazon River basin, putting together a chain of wireless stations for connection with Bolivia and Peru, so that there might be the first transcontinental communication across South America. And there I got a double dose of static, like the commercial companies of Europe and the States at that time, who had great difficulty getting traffic dependably across the Atlantic. In Brazil we could work successfully and handle traffic but about five hours a day on the average — between an hour or hour and a half after sunrise to eleven or eleven thirty or twelve o'clock noon. Then it was useless. You just had to shut down.

But in 1909, while I was working on the Great Lakes as installation engineer for United Wireless Telegraph Company, I had met Dr. Lee de Forest and acquired at that time two of his vacuum tubes. I think I agree that Dr. de Forest, notwithstanding that he was a graduate of Yale's Sheffield Scientific School, was not in fact a scientist. (He, too, interestingly enough, was the son of a minister.) As a student and thought in Brazil, I related those vacuum tubes to my boyhood dream. I can see that I thought then; without any question in my mind, that transoceanic telegraphy could never be a success as long as it was on long waves and had to deal with this static. I concluded that when I got back to the States, after finishing my two-year go in Brazil, I would take my savings, which had been banked for me in New York in gold while I was down there, and do a little independent research work.

### **Godley Meets Armstrong**

In almost a matter of days after I got back to New York I was taken as a guest to a meeting of the Radio Club of America and asked there to tell something of my experiences in Brazil, which were rugged. They were comparable, although the temperatures were vastly different, to what I went through across a short period in Scotland many years later. At this Radio Club meeting, after I had finished my talk, a tall fellow got up in the back of the room and said: "This is all very interesting," because he had heard one of the stations, a station that signed "MS." But he never could learn where it was because they always were talking a foreign language, in the radio code, which was Portuguese. This surprised me. After the meeting I asked him where he lived, what sort of a rig he had. Well, he was at his home in Yonkers, New York, and he had a small antenna. I suspected strongly that this fellow was giving me a lie. Anyway, I asked if I might see his set-up and he told me he didn't know, he would have to see his patent attorneys. I thought that was a brush-off.

Nevertheless, ten days later Armstrong called me on the phone and told me that if I would agree to sign a statement to the effect that what he showed me was new to me, his patent attorneys had said I might see it. And I did see it. I saw a demonstration. I knew at once what was involved — regeneration — but it was a new concept to me. My first question of Armstrong was what had he done with this on short waves because, abandoning the long waves in my own mind, I thought if I can't come up with something on the shorter waves I am going to forget the whole business and go back to work for the wire line companies, telephone and telegraph, and have no difficulty making a living, and so on, but I had to get this out of my system. He said: "I haven't been able to get it to operate below about a thousand meters because of the characteristics inherent in the vacuum tubes I have been able to get, and moreover, I am only interested in the commercial application." I said nothing. However, here was a challenge and within a matter of days I had Armstrong's regenerative circuit in operation, demonstrated it to him, and out of this came the Paragon receiver.

### **The Old Paragon Line**

NELSON: Paul, right here are some of the Paragon catalogs. Does this bring back any recollection of former activity to you?

GODLEY: Well, it should, because I wrote every word in it. It brings back many recollections. Of course, by the time I had developed this regenerative circuit for short waves it occurred to me at once that it was applicable to amateur work and might be a boon to amateurs and therefore I ought to get into manufacturing. Moreover, all my money by now was spent and I had to recoup, so I borrowed \$5,000, bought into the partnership of the Adams-Morgan Company, which had been predominantly a purely mail-order house. Developing the Paragon line of equipment made of the company a radio manufacturer, I suppose I might say.

During that period, too, I first met Hiram Percy Maxim and a great many of the other early amateurs because I had to look to the amateurs as customers for the products.

NELSON: Here in *Radio News* (incidentally the only issue Mr. Gernsback ever had to double up on, April and May, 1922) is an Adams-Morgan Company Paragon advertisement; it reads: "1915 First regenerative receiver ever manufactured bore the name Paragon," and then this: 1916 First transcontin-

ental amateur radio reception (California from New York; not prearranged) was effected with a Paragon Type RA-6 receiver." So, there are the first things your brainchild accomplished.

GODLEY: Yes, and I always liked this heavier-typed line here: "There's a good reason."

NELSON: A good promotion. There are a number of other things: I notice in the Radio Trade Directory here, 1924, you have the book-edge: "The new Paragon line, see page 2." Somebody was a good promoter in the Adams-Morgan Company, wasn't he?

GODLEY: Well, I'll take your word for it.

### How The Handbook Got Started

NELSON: There is another thing that comes to mind.

We were talking at some length about the ARRL Radio Amateur's Handbook. Would you like to touch on that particular point right there — your participation in this, or instigation, shall we say?

GODLEY: Well, this came about unexpectedly. The League had a convention in St. Louis following World War I. I attended and unbeknownst to me, on the way home by train, here was Hiran Percy Maxim. When he spotted me he said: "Oh, Paul, I must talk with you." We sat down and talked at great length. Prior to the war, Clarence Tuska had been doing all the work for the League, editorial and otherwise, while Maxim was paying the freight — financing it. Maxim's initial concern as we talked about the future of the League was that he could no longer carry that financial burden and he didn't know what to do, whether to start up the League again or how it could be started, and so on. He was rather despondent about the whole thing.

I suppose subconsciously, at least, for selfish reasons, I felt that the League should continue because we needed customers,

and I told Maxim that in my mind the League had to be gotten going again; that, he could not depend in the future on an unpaid staff at headquarters, if there were to be a headquarters; that QST would have to be published, that furthermore, the way to get this thing rolling was to approach a number of the prominent amateurs in the East. I knew many of them would be willing to lend the League, or make a gift to the potential new League, of a thousand dollars or so each and in that manner there should be enough funds to get rolling again. Moreover, I said, if you are going to do the job that should be done, because there is so much general ignorance amongst the amateurs over the country, there has to be some kind of a bible for the amateur, a handbook.

Actually, as it came about, Maxim got together with a board of directors that he appointed and the money was raised. I was designated to write the handbook with the help of a high-school teacher in Muncie, Indiana, whose name at the instant escapes me. I did write an outline for the handbook, but I wrote Maxim and told him that inasmuch as I was a manufacturer, and would be wanting to advertise in the handbook and in the ARRL magazine, I felt that it was just impracticable for me to come up as author of the handbook because our competitors would squawk like hell. Maxim finally accepted that, but at that time they insisted that I continue as, I think the title was, "Technical Advisor" or something of that sort, for the League and I think I held that position for a couple of years.

It was some time before a handbook came out. Finally, Handy brought out the first edition which later was called "Handy's Handy Handbook," which I always felt was wrong. Of course there is nice alliteration there, but I felt nobody's name should be on the handbook because inevitably in due course there would be a great many contributors to the handbook if a thing of biblical nature, so to speak, were to come up. But I have always taken deep satisfaction from the fact that I feel the League perhaps was reorganized by virtue of Maxim's efforts on the basis of ideas I told him I felt he must accept and try to carry through, and those ideas he did accept.

NELSON: According to the midget issue of QST, which is the one of eight pages — two sheets — this shows four of the eight pages, right here, the issue published between the time of suspension and just prior to resumption of publication, bonds were issued and that started the publication back on the going track again, just as was discussed by Mr. Godley and Mr. Maxim.

GODLEY: I think they raised \$7,500, which of course isn't much money now, but it was a heck of a lot of money then.

NELSON: Paul, I wish we had more time. We could talk another hour, but our time is about to catch up with us. Is there any one thing that sticks out in your mind that you would like to give us a parting thought; your thrill of hearing the first American signal or one instance that comes to mind readily?

GODLEY: Well, this is a philosophical note, in a way. One of the things that supported me during my difficult teens and early twenties was in the words of the very famous and great poet, Goethe: "Whatever you do or dream you can do, begin it; boldness has genius, power and magic in it."

NELSON: Paul Godley, we are delighted to have had you with us, and to a man, we've thought of you with admiration and we thank you so much. It has been my pleasure.

GODLEY: Thank you, all of you.

**PARAGON**  
TRADE MARK REGISTERED  
*the*  
**PIONEER**

1915 First regenerative receiver ever manufactured bore the name PARAGON.  
1916 First Trans-continental Amateur Reception (California from New York; not pre arranged) effected with a PARAGON Type RA-6 Receiver.  
1916 First Trans-continental Amateur Transmission (New York to California; not pre arranged) effected by PARAGON designed transmitter.  
1917-1918 PARAGON acknowledged supreme on Western Front.  
1921 First Trans-Atlantic Amateur reception effected with PARAGON receiving equipment, at which time 27 different amateurs scattered thruout the Eastern section of the United States registered signals at Ardrossen, Scotland—3500 miles.

*THERE'S A REASON!*  
2nd District Convention—Hotel Pennsylvania—New York, March 7th to 11th, 1922.

**The ADAMS-MORGAN CO.**  
Manufacturers  
UPPER MONTCLAIR, N. J., U. S. A.

This advertisement for the receiver designed by Paul Godley was in *Radio News*, April-May, 1922.

# A New Era in Maritime Communications

The new MARISAT satellite will unite all the maritime stations of the seas in a single system

by Don deNeuf

Perhaps the earliest practical use of "wireless" aboard a vessel was in July 1898 when Marconi himself reported the progress of the Kingstown Regattas from Dublin Bay to the Dublin Express. But the world did not begin to feel the true impact of this new method of long-distance communication until it was dramatized by the actual saving of life and property at sea. Probably that was first done when the SS Republic was rammed and sank January 23, 1909 off Martha's Vineyard, Mass. Some 1,600 lives were saved by flashing wireless calls for assistance. Three years later the disaster of the Titanic firmly set the pattern for all vessels being equipped with wireless for safety reasons.

It soon became evident that, aside from the safety factor, the new system had many practical uses in the maritime industry. Vessel position reports, expected arrival times, diversion instructions and cargo reports were only a few of the new tools of progress brought to the industry. These amounted to untold hundreds of thousands of dollars in value.

All such wireless communications were based on electrical (Hertzian) waves, transmitted and received "through the air". But some means of forming these waves so as to permit the passage of information was needed. The technique developed in 1837 by Morse and Vail, created "off" and "on" conditions of electric current, which were formed into combinations, making up an alphanumerical "code" of signals based on short, long, and spaced pulses. These signals were formed by the "transmitting operator" with a key, and were in turn translated into conventional written language by the "receiving operator" both of course being highly skilled in the code.

Sixtyfive years later, the greater portion of all marine telecommunications is still being carried out in almost exactly the same way. Though numerous nations of the world during this 65-year period have fought several ways, their

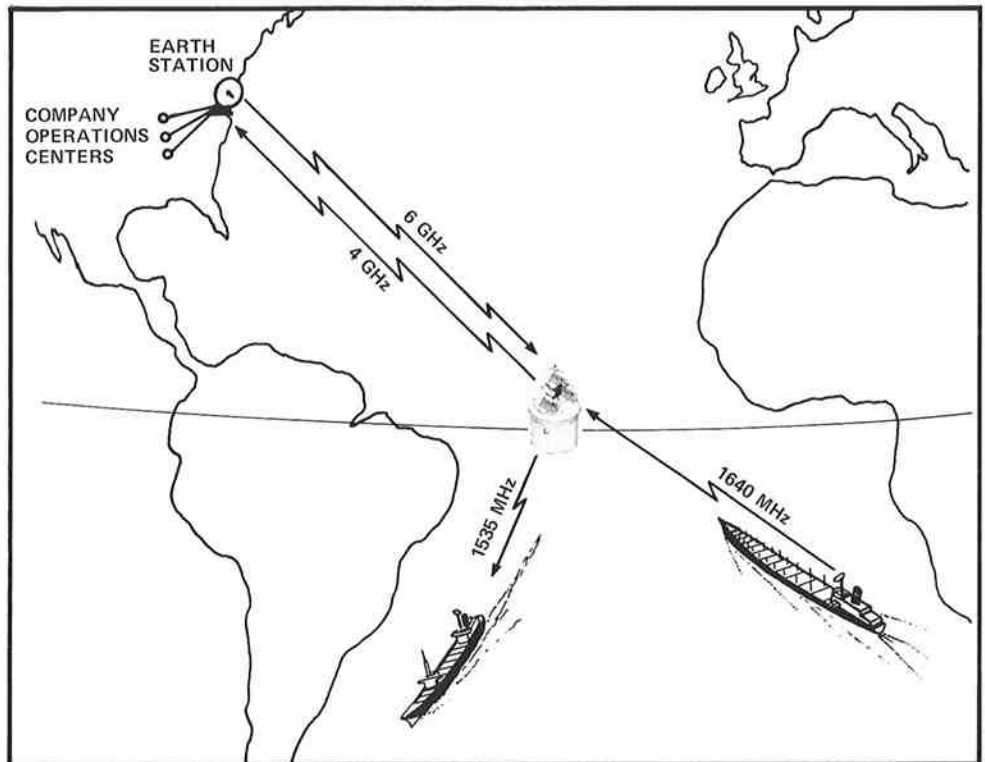


Figure 1 shows how the satellite communicates with ship and land stations, and gives the frequencies.

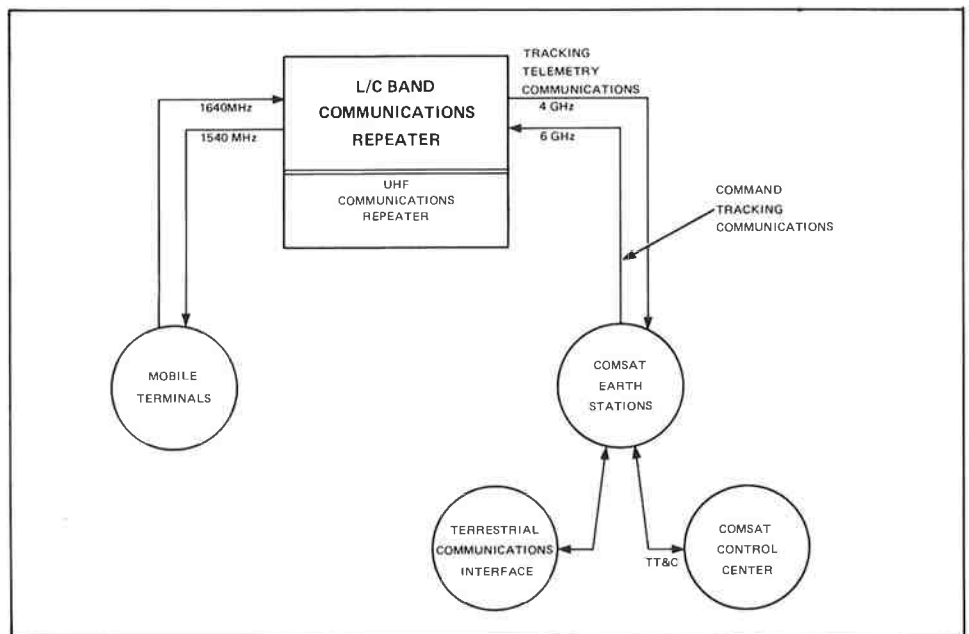


Figure 2 depicts in simplified form the elements of the system.

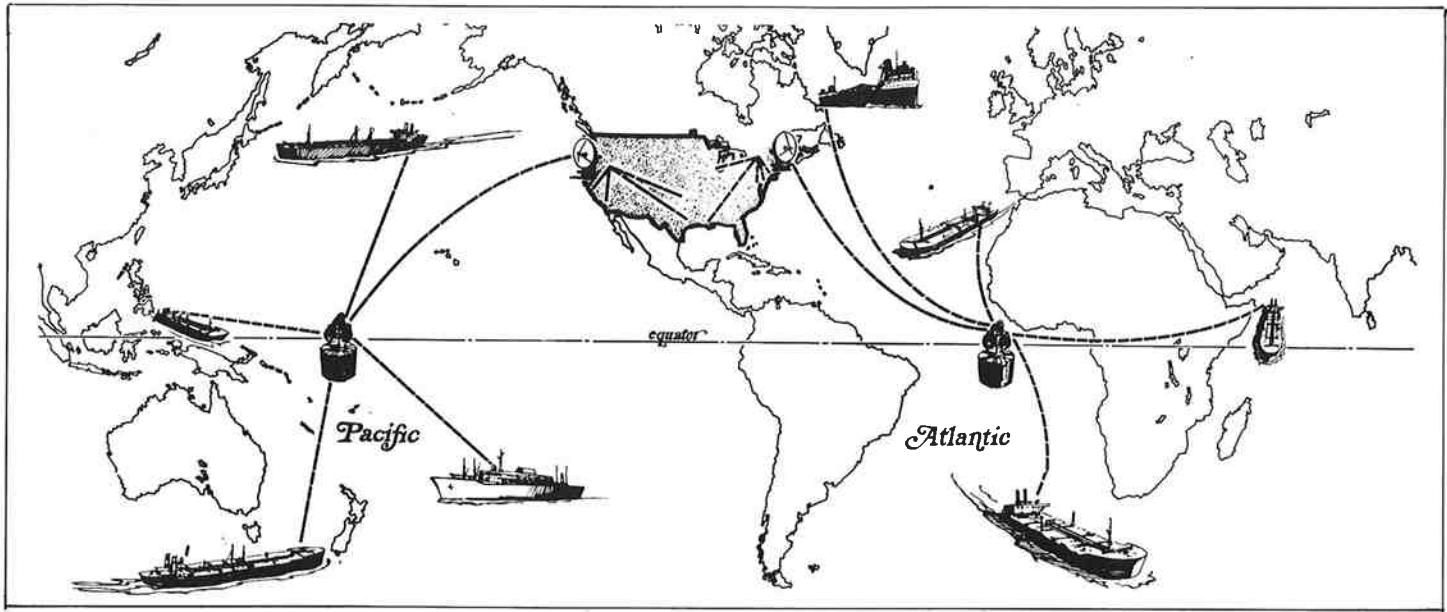


Figure 3 indicates the coverage area of the two equatorial-orbit satellites. [Graphics courtesy of Comsat General].

people have been continuously better and better informed through the fantastic development of international television, telephone, teleprinter/telex, data, and facsimile services for carrying international news and commercial trade communications. But except for a few comparatively minor developments, global maritime telecommunication techniques have not changed during this period. The volume of intelligence in this field has been limited to the capability of the skilled operator, which at best averages perhaps less than thirty words per minute. For various reasons, serious message delays between the sender and address are not uncommon.

Such telecommunication to date has (strangely enough) apparently met to a fair degree the demands of safety, vessel operation and overall maritime business and administration. But the maritime field has been developing into one involving vastly larger vessels on longer journeys with fewer stops. New demands on improved scheduling, with diversion to new ports to load or off-load cargo, are appearing. The need for almost instantaneous reports as to the layout and contents of containers being loaded are becoming essential to efficiency. The newer generation of sea-going people in some countries is already demanding regular telephone service with families and friends at home no matter where on the earth the vessel may be. Such communication has not been practicable with the conventional so-called high-frequency service.

March 1975 marks a tremendous leap

forward in marine telecommunications technology: the date of the introduction of space-age technology to ocean vessel operation with the inauguration by Comsat General of its **MARISAT** facilities. Twin satellite systems serve ships in the Pacific and Atlantic Oceans. This is done by launching two multi-frequency satellites 22,300 miles into space in geostationary orbits, and by constructing two earth stations — one at Southbury, Connecticut and the other at Santa Paula, California. Vessels utilizing the **MARISAT** system will be equipped with a special weather-protected steerable antenna and receiver-transmitter units. These facilities will provide highly reliable ship-shore two-way telecommunications 24 hours per day between vessels anywhere in the Atlantic or Pacific areas and shore points, irrespective of distances, weather or

atmospheric conditions. Service offered by **MARISAT** include voice telephone, highspeed data for computer operation, facsimile for weather maps and charts, and the ability to transmit and receive telex messages on teleprinters and to interconnect with world-wide telex networks.

The **MARISAT** technique has been amply demonstrated through test installations aboard the Queen Elizabeth II in 1972 and the SS Hope in 1973.

Once **MARISAT** is established, Parkinson's Second Law will surely apply here as it invariably has elsewhere in the communications field. Completely new uses for the facility will be found to rapidly bring maritime operations into a new era. The industry will, within a few years, no doubt look back and wonder profoundly how in Heaven's name it ever operated without such tools.

## An Important Message

Discussions with top members such as Jerry Stover, John Bryant, Art Collins, George Smith, Jack Poppele have generated a desire that, with the annual Dinner Meeting in November 1975, we should include an afternoon general "get-together" session, topped off by an informal Panel of Pioneers who would answer questions about historical items and early days in Radio. This affair would be possible at no extra cost if we hold our meeting this year as now planned at some

suitable motel outside Manhattan proper — probably just across the Hudson River in New Jersey . . . There would be easy access — no parking charge, and an air of informality that could be most beneficial in these times of economic problems . . .

If the idea appeals to you, whether you can physically make it or not yourself — we would like to know . . . *Let us hear from you promptly* so we can recommend to the Banquet Committee the wishes of the membership.

*Fred Link*





Fellows elevated at the 1974 annual meeting. Left to right: S.S. Ashton, Jr., Official LEAA, Systems Development Div., U.S. Dept. of Justice; Arnold B. Covey, Consultant, retired; Gerald F. J. Tyne, retired, historian of the vacuum tube; Chan Rypinski, President, Rydax Corp.; Leland Larsen, President, Larsen Antennas; Henri Busignies, Senior VP and Chief Scientist, ITT; Joseph Rose, Deputy Manager, National Communications Systems; Alvin Reiner, Division Chief, Microwave Group, FCC; Clarence Pfeifer, retired [active amateur from 1908]; John Neubauer, Consultant; Harry J. Dannals, President, American Radio Relay League; Thomas F. Jones, President, University of South Carolina [at present on leave to M.I.T.]; James McLeod, VP, Page Communications Engineers.

Not Present: Hugh S. Allen, VP, Sales, Gotham Audio Corp.; Norman Chalfin, Patent Attorney, Jet Propulsion Labs; Don deNeuf, former president, Press Wireless; Frank Grimm, Technical Director, Pye communications Ltd.; Charles Higginbotham, Chief, Safety and Special Services Bureau, FCC [elevated March 26, 1974]; Samuel Lane, Deputy Communications Director, Los Angeles County; Nils Lindenblad, retired [RCA research and engineering, 1920 to 1965]; Dearl Morrison, retired.

#### HONORARY MEMBERSHIP AWARD

To Dr. George W. Bailey



Because his advanced age prevented Dr. Bailey from travelling to the Banquet, the award was accepted by an old amateur friend, Dr. A. Lafayette Walsh [left] from VP Sam Harmatuk.

Dr. Walsh, a Fellow of the Club, has a distinguished ham career in his own right. Radio W2BW since 1920 [2BP from 1912 to 1920] he is a past President of the Club and a past director of the ARRL.

#### VWOA SETS RECORD

The Golden Anniversary meeting and Banquet of the Veteran Wireless Operators Association (VWOA) held in New York February 22 was the largest and most successful in the history of the Association, say veteran attenders. Some 289 members and visitors were present. A 108-page Golden Year Book and history of early radio activities was distributed, and numbers of awards and prizes — some with a nostalgic message from the early days of radio — were given out.

#### THE DE FOREST PIONEERS TO MEET ON MAY SECOND

The deForest Pioneers 23rd Annual awards dinner will be held at their usual retreat, the historic Fraunces Tavern, Broad and Pearl Street, New York City, May 2, 1975. Reservations at \$8.50 per person may be made with Kenneth Richardson, 254 Vincent Ave., Lynbrook, NY 11563.

#### NEWS NOTES:

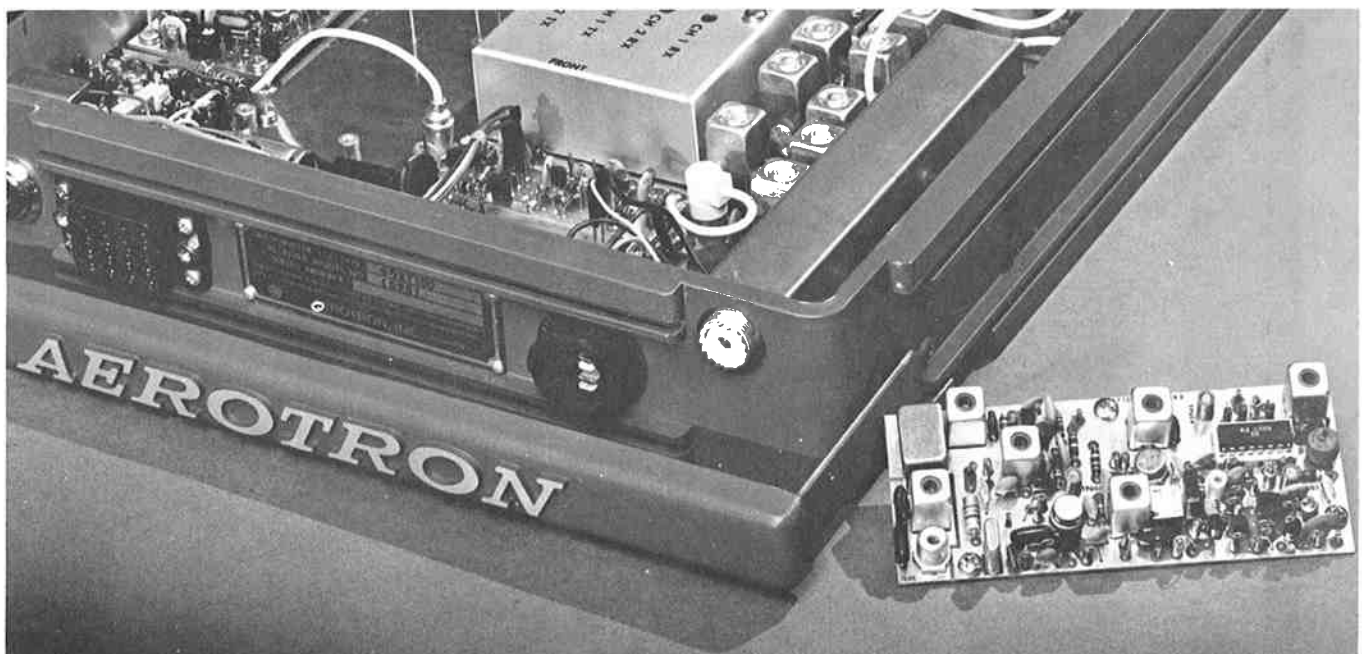
Thomas F. Carter, of Carterfone Decision fame, a Fellow of the Club, has joined Jack Goeken to form Carter-Goeken Inc., which will supply on a nationwide basis custom-engineered communications networks and communications services.

Dr. Thomas F. Jones, a new Fellow of the Club, has been elected a Director of IEEE. Dr. Jones, who is president of the University of South Carolina, at present on leave to M.I.T., will act as IEEE vice president, educational activities.

George J. Mitchell has been promoted to Manager, Mobile Communications Product Management, RCA Mobile Communications Systems, Meadow Lands, PA.

Val J. Williams has been elected President of the National Association of Business and Educational Radio (NABER). Former president Charles Summers (a director of the Radio Club) has been named Chairman of the Board.





## SOMEDAY, EVERYONE WILL BUILD RADIOS OUR WAY.

We're proud to be different.

You see, we've taken a different approach to engineering two-way radios. And, as a result, we've produced the most functional, serviceable units on the market today. The Mpac line from Aerotron.

First of all, we build radios using a series of easily serviced modules. If servicing is ever needed, the problem can be quickly isolated and the faulty module can be repaired or replaced on the spot. In most cases, your radio can be working again in a matter of minutes.

Your rear-mounted Mpac line includes VHF high & low band radios as well as UHF with up to 110 watts of power, twelve channel

operation, and optional ten channel scanning. The Mpac fits neatly into tight places while the compact control head mounts easily under the dashboard.

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## OUR 65th ANNIVERSARY BANQUET



**Fred Link making the presentation of the Fellowship Certificate to ITT Chief Scientist Henri Busignies.**

The 65th Anniversary Banquet and Annual Meeting of the Radio Club of America was held at the Hotel Plaza, New York City, November 15, 1975. Master of Ceremonies was Frank Gunther, member since 1940, and President of the Club in 1956 and 1957. He is now President of QCWA, the Quarter Century Wireless Association.

President Link reported that 66 new members had joined the Club during the year, and that the number failing to renew their membership in the Club was less than a dozen — an all-time low in the recent history of the Club. He also noted our participation in a number of joint activities with the AFCEA, ARRL, QCWA and VWOA. An important step forward, he stated, was made in the formation of our first affiliate chapter, in Washington, DC. This achievement was in no small part due to the efforts of Directors Childers and Meyer.

Though the Club is called "The Radio Club of America," it has always had an international flavor, and it is not surprising that the chief speaker of the evening was from London. William P. Nicol, Director of Telecommunications for the British Home Office, is a Scot, with a keen sense of humor, and presented the problems and frustrations of present-day communications in a way that entertained and instructed simultaneously. He stressed the importance of cooperation between our countries, particularly in the problems of security from an international viewpoint, with special attention to the needs and problems of the protectors of society — the public safety forces — and the necessity of providing them with good modern means of communication.

Mr. Nicol was shortly afterward hospitalized briefly with a case of ulcers, and was not able to supply a transcript of the



talk. It is possible that he will cover the subject in a *Proceedings* article at some later date.

As usual some members came long distances to the Banquet. Among them were several regular attendees from the West Coast. Our southern boundary was also represented.

Fellowships were granted to 20 members. The photographs of those who were able to attend are on page 8. Details of their achievements were printed in last November's *Proceedings*, on page 14. The Fellowships were acknowledged on behalf of the group by Dr. Henri Busignies, Chief Scientist of ITT.

Secretary Frank Shepard read the election returns, indicating that Charles Dorian, James Morelock, Jerry Stover and Charles Summers had been elected the the Board of Directors and that Thomas Carlson, Stuart Meyer and Leo Sands had been re-elected.

Contributing greatly to the success of the Banquet and Meeting were the Committee of Hostesses: Mrs. Vivian Carr, Mrs. Joan Link Sotres, Mrs. Lolli Glimm, Mrs. Pauline Poppele, Miss June Poppele, and Mrs. Lorraine Poppele Flower. Banquet Chairman Jack Poppele turned in his usual masterful job, and the Club is also indebted to our semi-official photographer Mal Gurian for the numerous photos of the occasion. Thanks are also due our printer, Mr. Corradino of the Dixon Press, for his excellent work on the program, and to Harvey Gernsback of *Radio-Electronics*, for the 1922 Montgomery Ward radio catalog that was distributed to all present.

Shortly after the Banquet, plans were being made for the next year's meeting, which may offer some time and facilities for social contacts and good fellowship. See the Presidents message on page 7 for more information.



The chief speaker of the evening, William P. Nicol.



**Dr. Lewis M. Hull [left] receives the Armstrong Medal from Jerry Minter. A short biography of Dr. Hull appeared in the November Proceedings [page 9].**



**Fred Link presents the Sarnoff Citation to Jack Poppele. Mr. Poppele's achievements were also described on page 9 of the November Proceedings.**

## A NEW "DIAMOND YEARBOOK?"

Tentative plans were laid at the January 10, 1975, Directors Meeting for publishing a 250-page profusely illustrated Diamond Yearbook of early Radio Club history and personalities. It is to be an updated and expanded version of the 50th Anniversary Golden Yearbook, which is now a collector's item. The tentative table of contents is;

*History of radio and electronics, 1888-1975 — Index of Proceedings, pre-1913 and 1913-1975 — past and present officers, 1909-1975 — photos and biographies of Honorary Members — recipients of the Armstrong Medal and Armstrong Medallion — recipients of the Sarnoff Citation — Who is and was Who in the Radio Club of America — deceased members — biographical directory of members — constitution and by-laws — directory of consultants.*

A new Yearbook can be published only if a sufficient number of copies are sold. To determine this, will all interested members please drop us a card or letter, reserving on a non-binding basis the number of copies they would like to buy at the \$10 pre-publication price. (They make excellent gifts to individuals, schools, etc.) The price after publication has been set tentatively at \$15. Be sure to inform the Yearbook Committee as soon as possible.

Members who would like to contribute to the cost of publication are requested to state the amount they would offer. This Yearbook, like the old Golden Book, should become a collector's item.

Write direct to Leo Sands, Yearbook Committee Chairman, 250 Park Avenue, New York, NY 10017.



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## Luncheon Meeting Notice

The Radio Club of America will again take part in the annual Amateur Radio Luncheon Meeting, sponsored by the New York chapter of the Quarter Century Wireless Association (QCWA), on Tuesday, April 8, 1975. This 11th annual affair, held during the IEEE convention, will be at the Engineers Club, 32 West 40 Street, New York. Refreshments will be served at 11:45 am; luncheon served at 12:30 pm.

The meeting Chairman will be Mr. Frank A. Gunther, W2ALS, National President of the QCWA and former president of the Radio Club and of the AFCEA. Guest speaker is Captain Charles Dorian, USCG (Ret.), W3JPT. A Fellow and Director of the Club, Captain Dorian is Manager of Maritime Planning, Comsat General Corp. His subject is: "Satellites That Have Challenged Man."

Advance reservations are required. Tickets are \$8.50 per person. Write direct to Mr. Nathaniel Pfeffer, W2AIM, 1085 Park Avenue, New York, N.Y. 10028. Make your check out to "Nathaniel Pfeffer, Treasurer," and enclose a stamped, self-addressed envelope. Order at once to insure a reservation at this important annual affair.

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# CONSTITUTION and BY-LAWS

## The Radio Club of America, Inc.

### ARTICLE I — NAME AND PURPOSE

**Sec. 1.** The name of this organization shall be THE RADIO CLUB OF AMERICA, Inc.

**Sec. 2.** Its purpose shall be:

**a.** To operate exclusively for charitable, educational and scientific purposes, entitling the corporation to exemption under the provisions of section 501 (c) (3) of the Internal Revenue Code of 1954, and more specifically to study and contribute to the development of radio communication programs and provide a scholarship fund for needy and worthy students for the study of radio communication.

**b.** In furtherance of its corporate purposes, the corporation shall have all general powers enumerated in section 202 N-PCL together with the power to solicit grants and contributions for corporate purposes.

**c.** Nothing herein shall authorize this corporation, directly or indirectly, to engage in or include among its purposes, any of the activities mentioned in Not-For-Profit Corporation Law, Section 404 (b) - (p) or Executive Law, Section 757.

**d.** No part of the income of the corporation shall inure to the benefit of any member, trustee, director, officer of the corporation, or any private individual (except that reasonable compensation may be paid for services rendered to or for the corporation affecting one or more of its purposes) and no member, trustee, officer of the corporation or any private individual shall be entitled to share in the distribution of any of the corporate assets on dissolution of the corporation.

**e.** No part of the activities of the corporation shall be carrying on propaganda, or otherwise attempting to influence legislation, or participating in, or intervening in (including the publication or distribution of statements) any political campaign on behalf of any candidate for public office.

**f.** In the event of dissolution, all the remaining assets and property of the corporation shall after necessary expenses thereof be distributed to such organizations as shall qualify under section 501 (c) (3) of the Internal Revenue Code of 1954, as amended, subject to an order of a Justice of the Supreme Court of the State of New York.

**g.** The corporation shall distribute its income for each taxable year at such time and in such manner as not to subject it to tax under Section 4942 of the Internal Revenue Code of 1954, as amended; and the corporation shall not (a) engage in any act of self-dealing as defined in Section 4941 (d) of the code; (b) retain any excess business holdings as defined in Section 4943 (c) of the Code; (c) make any investments in such manner as to subject the corporation to tax under section 4944 of the Code; or (d) make any taxable expenditures as defined in Section 4945 (d) of the Code.

### ARTICLE II — MEMBERSHIP

**Sec. 1.** The membership of the Club shall consist of those persons who have signed the Certificate of Incorporation together with all persons who are hereafter received in or elected to membership as herein provided.

**Sec. 2.** Any person is eligible for membership who has been interested in the investigation of the principles of radio communication and in radio operation for at least one year.

**Sec. 3.** The classes of membership and the fees therefor will be prescribed in the By-Laws.

**Sec. 4.** Any member may withdraw from the Club by presenting to the Secretary a written statement of resignation.

**Sec. 5.** A member may be expelled for violation of the By-Laws of the Club or for other cause prejudicial to the best interest of the Club. Such expulsion may be effected by a two-thirds vote of the Board of Directors at a duly called meeting.

**Sec. 6.** Any resigned or expelled member forfeits all rights and privileges of the Club.

### ARTICLE III — GOVERNMENT

**Sec. 1.** The general management of the affairs of the Club shall be vested in the Board of Directors who shall be elected as provided in the By-Laws.

**Sec. 2.** The governing body of the Club shall be the Board of Directors comprising the Officers and fourteen Directors.

**Sec. 3.** The officers of the Club shall consist of a President, Vice President, Secretary and Treasurer, and such other Officers as the Board from time to time may designate.

**Sec. 4.** The Board of Directors shall meet at least once each year and at the call of the President. At least one-half of the Board members shall be present to constitute a quorum.

**Sec. 5.** If a vacancy occurs among the Officers or in the Board of Directors, such vacancy shall be filled for the unexpired term by the Board of Directors.

**Sec. 6.** The President shall be a member ex-officio of all Committees.

### ARTICLE IV — MEETINGS

**Sec. 1.** The Club shall hold an Annual Meeting before the end of each calendar year at a time and place to be designated by the Board of Directors.

**Sec. 2.** Other meetings of the Club may be held throughout the year, the time and place to be designated by the Board of Directors.

### ARTICLE V — FINANCIAL OBLIGATIONS

**Sec. 1.** No financial obligation shall be incurred on behalf of the Club except by the approval of the Board of Directors as covered in the By-Laws.

**Sec. 2.** All obligations incurred by the Club shall be solely corporate obligations and no personal liability whatsoever shall attach to, or be incurred by any member, Officer or Director of the Club by reason of any such corporate obligation.

### ARTICLE VI — AMENDMENTS

**Sec. 1.** Proposed amendments to this Constitution must be reduced to writing and signed by not less than twenty-five Members or Fellows and be submitted to the membership who shall vote thereupon by letter ballot. The amendment shall be adopted if seventy-five per cent of the votes received are in favor of such action, the polls having been open for at least one month after mailing to the qualified membership notices of the proposed amendments.

## THE RADIO CLUB BY-LAWS

### ARTICLE 1 — MEMBERSHIP

**Sec. 1.** The membership of the Club shall consist of the following grades:

**a.** Members; **b.** Fellows; **c.** Honorary Members

They shall be entitled to all privileges of the Club except that Honorary Members may not hold office or be elected to the Board of Directors.

**Sec. 2.** A Fellow shall have been a member of the Club for at least five years or one whose contributions to the Radio Art are of such a nature as to qualify him for the grade of Fellow.

**Sec. 3.** An Honorary Member shall be a person of high professional standing who is interested in the activities of the Club.

**Sec. 4.** Election or transfer to the grade of Fellow or Honorary Member shall be by a majority vote of the Board of Directors.

**Sec. 5.** A person eligible for membership may apply by making application, on the form prescribed by the Board of Directors, to the Executive Secretary; and submitting with the application the entrance fee and initial dues payments.

**Sec. 6.** Each application for membership shall be considered by the membership committee and its recommendations shall be submitted to the Board of Directors. If the applicant is approved by the Board of Directors, the Executive Secretary shall notify the applicant of his election to membership, and shall forward to him a statement of entrance fee and initial dues if not previously paid.

## ARTICLE II — ENTRANCE FEE AND DUES

**Sec. 1.** The entrance fee for new members shall be Three Dollars (\$3.00). The annual dues payable by Members and Fellows shall be Ten Dollars (\$10.00). Three years dues may be paid in advance for Twenty-Five Dollars (\$25.00). Honorary members shall be exempt from payment of any dues or fees.

**Sec. 2.** The annual dues shall be payable on the first day of each calendar year, in advance for the ensuing year. It shall be the duty of the Executive Secretary to notify each Member or Fellow of the amount due.

**Sec. 3.** All members in good standing shall be furnished with permanent membership cards bearing the signature of the Executive Secretary.

**Sec. 4.** Persons elected to membership after Sept. 1 of any year shall pay only half the specified dues for that year. Persons elected to membership in December shall pay dues to be credited to the following year.

**Sec. 5.** Any Member or Fellow whose dues become two months in arrears shall be notified by the Executive Secretary. Should his dues then become four months in arrears, he shall again be notified by the Executive Secretary. Should his dues then become six months in arrears, his name shall be submitted to the Board of Directors for further action. The Board of Directors may, however, for sufficient cause temporarily excuse from payment of annual dues any Member or Fellow or extend the time for payment.

**Sec. 6.** Every person admitted to the Club shall be considered as belonging thereto and liable for the payment of all dues (except as per Sec. 7. of this Article) until he shall have resigned, been expelled, or have been relieved therefrom by the Board of Directors.

**Sec. 7.** Any Member or Fellow not in arrears, upon payment of One Hundred Fifty Dollars (\$150.00) shall be exempt for life from the payment of annual dues. Effective January 1, 1970, any Member or Fellow not in arrears shall be exempt for life from the payment of annual dues providing that his age plus years of membership equal one hundred (100); or provided he is sixty (60) or more years of age, upon the payment of Thirty-Seven Dollars Fifty Cents (\$37.50) if he has been a member for

twenty (20) or more years, or upon payment of Seventy-Five Dollars (\$75.00) if he has been a member for ten (10) or more years.

## ARTICLE III — BOARD OF DIRECTORS

**Sec. 1.** The Board of Directors shall manage the affairs of the Club in conformity with the provisions of the Constitution and the By-Laws. It shall direct the care and appropriation of the funds of the Club; act upon applications for membership as heretofore provided; recommend Honorary Members; exercise discretionary power in the election to the grade of Fellow of Members or original applicants having the qualifications therefor; take measures to advance the interests of the Club, and generally direct its business. It may appoint an Executive Secretary and fix his compensation. It may appoint an Executive Committee to carry out certain specified responsibilities in the interim period between meetings of the Board of Directors.

**Sec. 2.** No Officer or Director shall receive remuneration for his services in any capacity.

**Sec. 3.** The Officers and Directors of the Club shall serve for a term of two (2) years or until their successors are duly elected. One-half (7) of the fourteen (14) members of the Board of Directors shall be elected each year. Seven of the fourteen Directors to be elected in 1969 shall be for only a term of one year.

**Sec. 4.** The Executive Committee, appointed by the Board of Directors, shall consist of the President, Vice President, Secretary, Treasurer and three members of the Board of Directors other than Officers.

**Sec. 5.** The Executive Committee shall carry out only the specific responsibilities that are authorized by the Board of Directors in the interim period between meetings of the Board of Directors. These responsibilities shall include approval of new applications for membership, arrangements for meetings and general direction of the Club's operations including those of the Treasurer and the Executive Secretary. The Executive Committee shall not control the care and appropriation of the funds of the Club. All actions of the Executive Committee shall be subject to approval by the Board of Directors.

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#### ARTICLE IV — DUTIES OF OFFICERS

**Sec. 1.** The President shall have general supervision of the affairs of the Club. He shall preside at meetings of the Club and of the Board of Directors at which he may be present. He shall appoint such committees as he or the Board of Directors shall consider expedient or necessary.

**Sec. 2.** The Vice President shall assume all the duties of the President during the President's absence from meetings or whenever the President is otherwise unable to perform such duties. In the event of the Vice President's inability to assume these duties; a Chairman pro-tem shall be appointed by those present at a meeting.

**Sec. 3.** The Treasurer shall be responsible for the funds of the Club and accountable to the Board of Directors. He shall make such payments for the Club as are ordered by the Board of Directors. He shall report on the Club's financial status at each meeting of the Board of Directors.

**Sec. 4.** The Secretary shall be responsible for the records of the Club, and shall duly record the minutes of the meetings of the Board of Directors and of the Executive Committee.

**Sec. 5.** The Executive Secretary as appointed by the Board of Directors shall conduct the administrative duties of the Club and shall be generally responsible to the Board of Directors. He shall conduct the correspondence of the Club, collect and receive all dues and fees which he shall deposit for the account of the Club as directed by the Treasurer. He shall duly record the proceedings of all meetings of the Club. He shall have custody of all applications of persons admitted to membership and all other current records of the Club.

**Sec. 6.** The President, within fourteen (14) days after the conclusion of the Annual Meeting of the Club, shall appoint from the membership the following Standing Committees: **A.** Finance Committee. **b.** Papers Committee. **c.** Membership Committee. **d.** Publicity Committee. **e.** Meetings Committee. **f.** Year Book and Archives Committee. **g.** Awards Committee.

#### ARTICLE V — NOMINATIONS AND ELECTIONS

**Sec. 1.** At least sixty (60) days prior to the Annual Meeting each year, the President shall appoint a Nominating Committee subject to the approval of the Board of Directors. The report of this Committee shall be submitted to the membership at least twenty (20) days prior to the Annual Meeting in each year together with a ballot form. The Nominating Committee shall submit eligible candidates for President, Vice President, Secretary, Treasurer and seven (7) Directors each odd-numbered year and for seven (7) Directors only in each even-numbered year.

**Sec. 2.** Notwithstanding the foregoing, a petition signed by twenty-five (25) members in good standing may be submitted to the Secretary post-marked at least sixty (60) days prior to the Annual Meeting,

nominating any eligible member in good standing for any office or directorship to be filled at the Annual Meeting.

**Sec. 3.** The election of the candidates shall be by written ballot vote of a majority of the members in good standing voting before closing of the polls. The polls shall close twenty-four (24) hours before the opening of the Annual Meeting.

#### ARTICLE VI — CLUB EMBLEM

**Sec. 1.** The emblem of the Club shall be that shown in the margin. This emblem shall be made in the form of a pin and may be purchased from the Executive Secretary.

**Sec. 2.** The emblem for Fellow shall be the reverse of that for Member (black insignia on a gold background).

**Sec. 3.** Honorary Members shall be presented with the Club pin.

#### ARTICLE VII — AMENDMENTS

**Sec. 1.** These By-Laws may be amended from time to time by affirmative vote of a majority of the Board of Directors at any regularly called meeting of the Board of Directors.

## TEN COMMANDMENTS OF ELECTRONICS

It is traditional that all trades and callings have their Ten Commandments — the Fighting Services, the printing trade, medical students, the Civil Service: they have all, at some time, produced some wag who circulated, under the very noses of his masters, some ironic code of behavior. Telecommunications technicians and engineers are no exception and we imagine that as soon as the wonders of telegraph, telephone and radio were launched upon the world and the new breed of men were evolved who dealt with this new dark art, then a set of commandments appeared. Variations have continued to appear from time to time; and those quoted below appeared, from a source unknown, upon our desk. It seems only right and proper that they should be seen in our pages. After all, we are trying to fit pieces of the history of our art together and such commandments are surely a part of that history and should be recorded for posterity.

1. Beware of the lightning that lurketh in an undischarged capacitor, lest



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it cause thee to be bounced upon thy buttocks in a most ungentlemanly manner.

2. Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged, so thy days may be long in this earthly vale of tears.

3. Prove to thyself that all circuits that radiate and upon which thos workest are grounded, lest they raise thee up to high-frequency potential and cause thee to radiate also.

4. Take care that thou use the proper method when thou takest the measure of high-voltage circuits so that thou dost not incinerate both thyself and the meter; for verily, though thou hast no account number and can be easily replaced, the meter hath one and, as a consequence, bringeth much woe into the Supply Department.

5. Tarry thou not amongst those who do deal in intentional shocks, for they are surely unbelievers and are not long for this world.

6. Take care that thou tamperest not with interlocks and saety devices, for this will incur the wrath of thy seniors and bringeth the fury of the safety officer down upon thy head and shoulders.

7. Work thou not upon energized equipment, for, if thou dost, thy buddies will surely be buying beers for thy widow and consoling her in other ways not generally acceptable to thee.

8. Verily, verily, I say unto you, never service high-voltage equipment alone, for electric cooking is a slothful process and thou mightst sizzle in thine own fat for hours on end before thy Maker seeth fit to end thy misery and drag thee in His fold.

9. Trifle thou not with radioactive tubes and substances lest thou commence to glow in the dark like unto a lightning bug, and thy wife be frustrated nightly and have no further use for thee except thy wage.

10. Commit thou to memory the works of the prophets, which are written in the books of instruction, which give the straight dope and which console thee, and thou canst not make mistakes.

[From a publication of the British Directorate of Telecommunications.]

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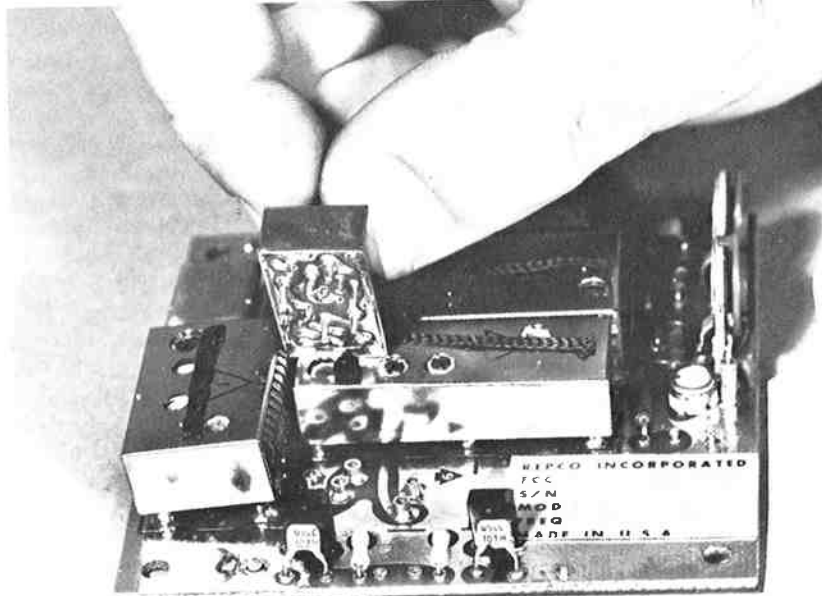
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## NEW MEMBERS

Since the last supplement to the Directory was published in the November issue, 27 new members have joined the Club. This list updates the Directory to March 1, 1975.

- Altman, Frederick, J.** (M 1975) Retired-consultant. (Formerly with Computer Sciences Corp., ITT, USAF). 1212 Trinity Drive, Alexandria, VA 22314.
- Babkes, Jack** (M 1974). President, Sonar Radio Corp. 136 Whitman Drive, Brooklyn, NY 11234.
- Beverly, Jack G.** (M 1974). District Manager, Urban Sciences Inc., Pittsburgh District Office. 4667 Greenwood Drive, Allison Park, PA 15101.
- Bondon, Lewis A.** (M 1974). President, Prodelin Inc., P. O. Box 131, Hightstown, NJ 08520.
- Bourne, Kenneth M.** (M 1974). Managing Editor, *Communications News*. 362 Hawthorne St., Glen Ellyn, IL 60137.
- Citron, Robert** (M 1975). President, Bomar Crystal Co., 201 Blackford Ave. Middlesex, NJ 08846.
- Collins, Arthur A.** (M 1974). President Arthur A. Collins, Inc., 13601 Preston Road, Suite 590W, Dallas, TX 75240.
- Dooley, Edward G.** (M 1974). Manager, Eastern Region, Maritime Satellite Sales, Comsat General Corp., 630 Fifth Avenue, New York, NY 10020.
- Guzzetti, Robert L.** (M 1975). Sales Manager, Bomar Crystal Co., 201 Blackford Ave., Middlesex, NJ 08846.
- Hayes, John F.** (M 1974). Vice President, Singer Products Co., Communications Division. 201 Carter Road, Princeton, NJ 08540.
- Herlihy, Warren W.** (M 1974). Sales Manager, Rydax, Inc. 166 Overhill Road, Orinda, CA 94563.
- Kendall, Elson P.** (M 1975). Assistant County Prosecutor. Office of the Union County Prosecutor, Rahway Avenue, Elizabeth, NJ 07207.
- Leonard, Paul J.** (M 1974). Chairman of the Board and President, Lenco, Inc., 319 W. Main St., Jackson, MO 63755.
- McConoughey, Samuel R.** (M 1974). Supervisory Engineer, Rules Division, Safety and Special Services Bureau, FCC, 13017 Chestnut Oak Drive, Gaithersburg, MD 20760.
- Nelsch, Donald R.** (M 1974). Engineer, Ohio Bell Tel. Co. 2545 N. Haven, Cuyahoga Falls, OH 44223.
- Perlmutter, Louis** (M 1974). National Sales Manager, Sonar Radio Corp. 437 Golden Isles Drive, Hallandale, FL 33009.

**Richardson, Kenneth** (M 1974). Semi-retired, active in radio organizations. 254 Vincent Ave., Lynbrook, NY 11563

**Robinson, John T.** (M 1975). Supervisory Electronic Engineer (Chief, Technical Standards Branch) FCC. 6204 Greely Blvd., Springfield, VA 22152.

**Rosenbloom, Joseph S.** (M 1974). Corp. Attorney, Sec'y and Director, IBM Research and Development, Inc. IBM CHQ, Armonk, NY 10504.

**Saveskie, Peter N.** (M 1974). Editor, Consuletter (International Paper). TAI (Telecommunications Association International, E-Systems). 7700 Arlington Blvd., Falls Church, VA 22046.

**Scuderi, Vincent.** (M 1974). Lieutenant, New York City Transit Police. 647 Rathbun Avenue, New York, NY 10309.

**Sherman, Eleanor** (M 1975). Semi-retired, formerly President CESCO Communications Inc., 106 Verona St., Elmira Heights, NY 14903.

**Smith, Theodore A.** (M 1975). Retired Consultant (with RCA 1925 to 1970). 1208 Limberlost Lane, Gladwyne, PA 19035.

**Stapleton, James W.** (M 1974). Police lieutenant, Commanding Officer, New York City Housing Police, Communications Unit. 141-03 228th St., Laurelton, NY 11413.

**Swafford, John H.** (M 1974). Radio Program Manager, Office of Communications, U.S. Dept. of State. 2025 N. Kensington St. Arlington, VA 22205.

**Weisberger, Joseph S.** (M 1974). National Account Executive, Motorola, Inc., National Accounts Dept., 85 Harristown Road, Glen Rock, NJ 07452.

**Williams, John** (M 1974). Consultant. ISIS Associates, P. O. Box 2546, Framingham, MA 01701.

## OUR MEMBERSHIP

The Club membership on March 1 stood at 606. There are:

- 8 Honorary Members
- 106 Life Members
- 131 Fellows not Life Members
- 361 Regular Members

## A CORRECTION

In the January *Newsletter*, the position to which Director Charles E. Summers was promoted was incorrectly stated. The correct position of our distinguished member is Corporate Chief Engineer, IBM, Armonk, NY. The error was caught after about half the Newsletters were sent out, and a crude correction made on the rest.

## Address Changes

Since the latest addresses were printed in the November 1974 issue, a few more members have moved. The new addresses are below:

**Jarvis, K.W.** (M 1935, F 1938, L 1971), 500 King Drive, Apt. 613, Daly City, CA 94015.

**Johnson, J. Kelly** (M 1941, F 1942, L 1970), RR1, Box 150C, Waitsfield, VT 05673.

**Jones, Thomas F.** (M 1973), 60 Wadsworth, 28F, Cambridge, MA 02142.

**Lane, S. H.** (M 1969), L.A. County Dept. of Comms., 900 West Temple St., Room 183, Los Angeles, CA 90012.

**Long, F. Vinton** (M 1970), P.O. Box 353, Boca Raton, FL 33432.

**Mason, Robert A.** (M 1971, F 1972), P.O. Box N, Cottonwood, CA 96022.

**Rider, John F.** (M 1932, F 1937, L 1970), 9800 East Bay Harbor Drive, Miami Beach, FL 33154.

**Swigart, James F.** (M 1972), 2520 W. Greenacre, Anaheim, CA 92801.

**Thomas, Leslie G.** (M 1928, L 1971), 200 Ocean Lane Drive, Key Biscayne FL 33149.

**Van Beuren, John M.** (M 1942, F 1944), 1212 Royal St., New Orleans, LA 70116

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## THE VTG OF IEEE WILL MEET IN 1976

The 26th annual conference of the Vehicular Technology Group, IEEE, will be held in Washington, DC, March 24, 25 and 26, 1976. Technical papers on a broad spectrum of interests, including land-mobile, marine, aircraft, CB and automotive electronics, and exhibits by leading suppliers of two-way equipment will be featured. For information, contact Stuart F. Meyer, chairman, at RCA, Suite 953, 1901 N. Moore St., Arlington, VA 22209, or telephone 703-558-4611.

In view of the interest many of our members have in two-way radio, it is not surprising to find a number of them in the AdCom (administrative committee) of VTG. Among them are the President, Nick Alimpich, President; Same Lane, VP; Bill Elder, Treasurer; Stu Meyer, 1976 Conference Chairman; Fred Link, AdCom Conference Co-ordinator, and AdCom members Sam McConoughey, Carl Brooks, Robert Bloor, Jack Renner, Jack Neubauer and Don Nelsch.

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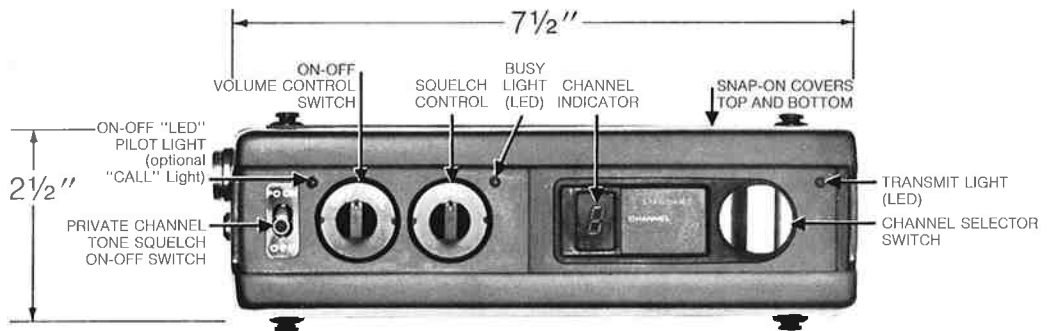
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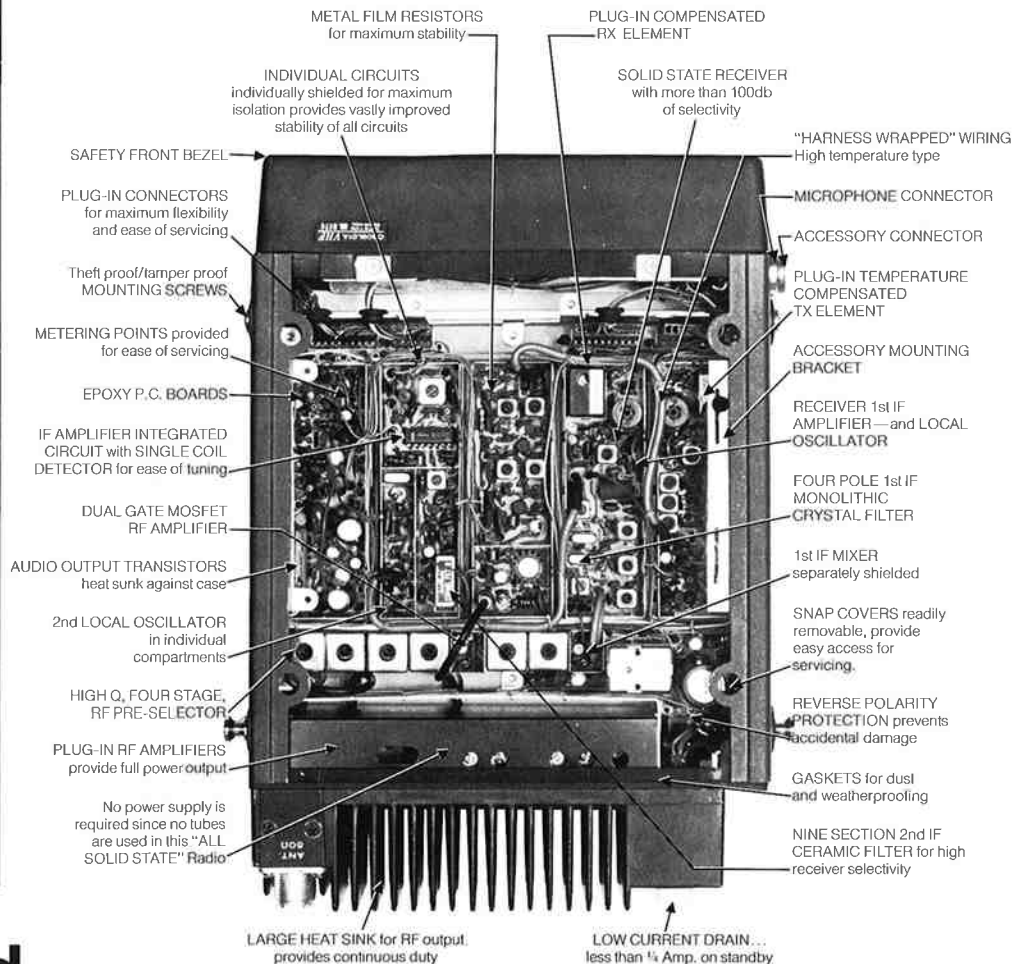
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