



MEMBERSHIP APPLICATION & HISTORY SHEET

SOCIETY OF WIRELESS PIONEERS

P.O. Box 530 Santa Rosa, Calif., U.S.A. 95402

1969/1970
dues paid

LEAVE BLANK

NO. **462-561**
DATE **11-17-69**
\$ **5.+**
CARD
POC **9-22-69**
FG **11-17-69**

I hereby apply for "LIFE" membership in the SOCIETY OF WIRELESS PIONEERS and certify that I meet requirements for membership in classification marked below. I have held a valid R-T license of Commercial Class (unless employment antedates license requirements). I have worked at a ship/shore station open to "PG" traffic. Military personnel exempt from license requirements if so assigned however they may be required to furnish proof of such assignment or suitable documentation to Chairman, Membership Committee. I AGREE to keep my address current on the Society's records and acknowledge failure to do so as sufficient grounds to drop me from membership. I am enclosing check or money order (Make out to the Society) in the amount of \$7.00 covering \$2.00 non-recurring initiation fee and \$5.00 dues for current year.

DATE **11-14-69** SIGNED **(A/H-Copied by FG -data from attached sheets-11/17/69)**

☒ SPARK-GAP PIONEER (Service PRIOR 1915) ☐ PIONEER (Svc. 1915-1925 Incl.)
☐ VETERAN (Service 1926-1935 Inclusive) ☐ PROFESSIONAL ASSOCIATE (After 1935)

HISTORY SHEET

ESPENSCHIED, LLOYD - "XY" Ethel
Family Name Given Name Initial "Handle" Sine Wife Name
99 82nd Road (Newbold Place) KEW GARDENS NY 11415
Street or P.O. Box # City State Zip Tph.A/C number

ASSIGNMENT RECORD/S

None required in 1907

United Wireless
Teleg Co
Maine SS Co
DATE FIRST LICENSE NO. CLASS. SIGNED BY
Summer 1907 S.S. MANHATTAN/"JM" JM
DATE ASSIGNED NAME OF FIRST SHIP CALL NAME OF OPERATING COMPANY (RADIO)
FIRST SHIP SHIP LETTERS

SHIP OR SHORE STATIONS WHERE YOU SERVED:

FROM	TO	NAME SHIP/SHORE STN & CALL	FROM	TO	NAME OF STATION & CALL
See attached list					

(Additional - use back side)

MEMBER SOS/CQD'ers CLUB ? (Those who have sent CQD or SOS and/or abandoned Ship)
NAME OF SHIP DATE SOS (Details on Separate sheet)

PLEASE COMPLETE THE REVERSE SIDE OF APPLICATION FORM

WAB REV. 5/14/69

PLEASE COMPLETE

AMATEUR ACTIVITIES ?

Your first call "XY" Date ? 1904 PRESENT CALL - SINCE - FCY's -

Do you wish to join the Society's C.W. NET ? - If "YES" we will have C.O. send you operating details and keep you posted on activities of the WP CW NET.

ORGANIZATIONS YOU BELONG TO ? (PLEASE CHECK) SEE ATTACHMENTS

- ARRL. - OOTC. - QCWA? - ERC. - VWOA. - IEEE. - AFCEA. - IRE
- AWA. - DeF. P. - (X)URTA. - MTC. - ROU. - ARA. - ACA.
- MARS. - WCARS. - SARO. OTHER ? (List) -

PARTICIPATION

Would you hold a Chapter or National Office in the SOCIETY OF WIRELESS PIONEERS if nominated ? -. If "YES" what type of activity would you enjoy most ?

- Organizing; - Records; - Secretary; - Treas. - Correspondent.

- Editing Society Publications. - C.W. Net (Operations); - Awards.

- Historian. - Book Reviews (Subject) - Promotion -

- Membership; - Travel Program. - Entertainment. - OTHER. -

RECORDS & HISTORICAL DATA.

Do you have pictures of early wireless installations, stations, ships, etc., that you would either loan or donate to the Society ? If so would you please catalogue, if not too much work, particularly names of ships and installations which we might call for in covering various stories ? (Use 8 1/2 x 11" sheets if necessary).

Do you have any books on communications (wireless and radio) plus early day catalogues you would donate or loan the Society ? Do you have nautical books including old files of magazines, articles on ships etc., you would donate or make available for loan to the Society ? (Kindly list)

(Use extra pages as necessary)

Would you undertake SPECIAL ASSIGNMENTS for PORTS O' CALL ? What subject would you like to write about ? - Can you cartoon or draw (illustrate) for us ? -

Can you furnish current addresses of those who you think qualify for membership but do not find on the Society's roster ? May we use your name as sponsors ?

NAME	STREET	CITY	STATE	ZIP
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

ADD SHEETS AS NECESSARY. WE THANK YOU FOR YOUR EFFORT.

LLOYD ESPENSCHIED
99 82ND ROAD (NEWBOLD PLACE)
KEW GARDENS, NEW YORK 11415

25 October 1969

Mr. Frank Geisel
2816 Tice Creek Dr. 6
Walnut Creek, Calif. 94595

Dear Mr. Geisel:

The warm invitation extended by you, and also by Mr. Edward B. Stevens, to join the Society of Wireless Pioneers, I do appreciate. At the same time, I am embarrassed by having to decline. I really am too damned old to join an additional society: I should "die on your hands" as has my dear old associate Haraden Pratt. One other from whom I received an invitation, some time ago, is our old associate Lewis Clement. Fortunately, he seems destined to last some time longer!

Thank you for the stamp reimbursement. I appreciate receiving the "Roster & Directory 1969" of your Society. Have gone through it with much interest; not many that I knew, but a lively bunch! May you continue to effervesce from the spark days down through those of the vacuum tube.

You have mentioned my first job as a wireless teleg. opr., on the old S.S. Manhattan, 1907. To complete the picture of my operating days, I append a list of "Ships On Which I Sailed As "Sparks", in 1907-1909. Some of these "lev^aithans" may have been familiar to the older members of the Society. *personal sign "XY" from amateur days*

With best of wishes to you and Mr. Stevens,

Sincerely,

Lloyd Espenschied
Lloyd Espenschied

Copy to Mr. Stevens

Encl. L.

#462-58
17 Nov. 1969

Dear Lloyd/"XY":

It's a distinct personal pleasure to welcome you into "The Society" !

We are honored to have you as one of our prestigious ,outstanding "Spark-Gappers".

Your many friends already in "Wireless Pioneers" will be very pleased to learn you have joined them.

Thanks so much for sending the biographies. And picture of you at age 18, as W/T Operator on SS "Bermudian". Also the news clippings on SS "Manhattan"/WJAF.

I am sure that Bill Breniman, our Editor (And One man task force) will wish to use some of your experiences in his next or future issues of "Ports O'Call". Suggest you try to borrow the now out of print issues of "POC" #2- Summer 1968, #3- Winter 1968/69- Members before #190 have both, those tween #191-362 have #3. Lew Clement should have both.

With further reference to contrast between your first ship "Manhattan"/"JM" in 1907- And current American Tanker/Bulk Carrier "Manhattan"/WJAF. As previously noted she is the largest American Flag and American built Merchant vessel. Lloyds shows her built in 1962, 65740 gross tons. I have also seen news items giving her as 115,000 tons-assume this to be DWT. I hope Bill will carry a story on these two ships- noting your service on "JM" .

I note with interest of your extensive collection of books on electronics. The only other man I know with similar library is Thorn I Mayes, W6AX 21420 Sullivan Way, Saratoga Calif 95071. Thorn is a retired General Electric Engineer. He has never been a professional Wireless Operator, but is one of our staunch supporters in promoting "Wireless Pioneers" At our last picnic he kindly displayed some of his Antique (Marine) Wireless collection of equipment. He too, will be interested and pleased to learn you are now in "WP".

From us all , "73"

Frank Geisel

cc: WAB
W6AX

6 Nov 1969

Lloyd Espenschied
99 82nd Road (Newbold Place)
Kew Gardens NY 11415

For yr info-In view of prior
correspondence- I do not recommend
pressing him any further- He has copy
"Complimentary" WP #2-

Dear Lloyd/"XY" fg

Tks for your Oct.25th letter. I respect your
decision not to join. However, simply cannot
accept it on premises "Too old"! We need
men like you in "WP" to pass on their
experiences in early "Wireless". Hope you will
reconsider, so that next supplement of member
-ship may include you and those 1907/1909
two letter call ships.

Bill Breniman is already working on next
issue of his absolutely unique "Ports O'Call"
to be published early in 1970. All who have
seen previous "POC" agree that it by itself
is worth sustaining dues of \$5. yearly.
Suggest you glance thru "WP" Roster you have,
find some member from whom you can borrow
POC #2- & #3- Members before 190 have both.
Those tween 192-362 have #3.

Must say there's quite contrast between
"Manhattan"/JM of 1907 and current ship same
name, largest American built ship, 66,000 ton
"WJAF" Recently rebuilt to traverse Arctic
ice to new Alaskan Oil areas.

Pls tell me what you have been doing since
1910 when you went to Telefunken.

All of us in "Wireless Pioneers" especially
"RJ"-Dick Johnstone will be disappointed
if you do not change your mind and join
your many old friends like him and Lew Clement

"23"

Frank Giesel

cc: WAB
WGAJ

Biographical Sketch of

LLOYD ESPENSCHIED
99 82ND ROAD (NEWBOLD PLACE)
KEW GARDENS, NEW YORK 11415

15 November 1969

1. Born St. Louis, Mo., 1889 April 27, son of Fred F. E. and Clara M. Espenscheid (maiden name).
 2. Educated public schools of St. Louis, and Brooklyn, N.Y. whence he removed 1901 Dec. First electrical inspiration at Boy's High School, Electrical Club (out of hours), and Children's Museum, Brooklyn.
 3. Started own attic shop and wireless station 1904 at grandfather's home, 1369 Dean St., Brooklyn, N.Y. Continued wireless experimentation and operation until becoming shipboard wireless operator ~~1907~~ 1907, May.
 4. Summers 1907 and 1908, Fall 1909, shipboard wireless telegraph operator for United Wireless Teleg. Co. aboard a succession of ships, sailing out of New York City.
 5. Attended Pratt Institute, Applied Electricity course 1907-1909. Received honorary D.Sc. degree 1957.
 6. 1909-1910 an assistant engineer with Telefunken Wireless Telegraph Co. of America in New York City. Installed new quenched spark sets for Navy and Army.
 7. 1910 until retirement/ in 1954, with Bell System:
1910-1934 A.T.&T. Co., Engineering Dept., doing research and development work, first on loading coils, then on high frequency electronic carrier telephony and radio telephony. Many inventions including radio altimeter (forerunner of radar); network broadcasting; wide-band coaxial cable (co-inventor with H.A. Affel).
1934 to 1954 (retirement), transferred to Bell Telephone Laboratories, Inc. New York City.
 8. Participated in a number of international conferences on electric communications. Traveled extensively.
Did the receiving at Pearl Harbor, Hawaii, during the 1915 trans-oceanic wireless telephone tests, - the first such.
A total of 130 U.S. Patents; some 40 technical papers published.
~~Charter~~ Charter member of Wireless Institute and the succeeding I.R.E., becoming Fellow of IRE and of AIEE, now IEEE. Member of several Science societies.
- Awards: IRE Medal of Honor 1940;
AIEE "best paper" co-award for Coaxial Cable paper, 1935;
Television Broadcasters Ass'n Medal, 1944;
Radio Pioneers Citation, 1954;
Pioneer Award for Radio Altimeter by IEEE Aerospace and Electronic Systems Group, 1967.
9. Married Ethel F. Lovejoy at Cheshire, Mass., 1912 April 29;
Children: 1. Lloyd Jr. of Forest Hills, L.I., N.Y., - two children;
2. Carol, Mrs. Wendell L. Rehm, of Shrewsbury, N.J., - two children.

L. E.



Retirements



**LLOYD
ESPENSCHIED**

Lloyd Espenschied, one of the Laboratories' most prolific inventors, has pioneered in the development of both wire and radio communications systems during his 44 years with the Bell System. Credited with more than 100 patents, he is usually identified with the development of the coaxial cable system, one of the major methods of transcontinental telephone and television transmission. He and H. A. Affel invented this system in 1929 when he had charge of early work on carrier systems at A. T. & T.

In 1931 Mr. Espenschied invented the first filter circuit using a crystal element instead of the usual coil and condenser resonators. These units are now widely used in coaxial and other broad-band carrier systems.

He is also the inventor of the radio altimeter, whose application to aerial navigation was first demonstrated in 1938, and which foreshadowed the development of radar.

An amateur radio operator in his youth, he worked summers for the United Wireless Telegraph Company while earning his degree in applied electricity from Pratt Institute. He joined the A. T. & T. in 1910, soon after graduation, and came to West Street in the 1934 consolidation.

The author of numerous technical papers, Mr. Espenschied has also taken part in many national and international conferences on electrical communications. In 1935 he was co-receiver of the American Institute of Electrical Engineers award for the best paper on research and development. In 1940 he won the I.R.E.'s

Medal of Honor, and in 1944 he received the first annual award of the Television Broadcasting Association for technical pioneering in television.

He is a fellow of the A.I.E.E. and of the I.R.E., and a member of the Institute of Aeronautical Science, the Physical Society, and the American Association for the Advancement of Science.

Mr. Espenschied's principal avocation for many years has been the study of histories—electrical history, the history of immigration from the Old World to the New, and the genealogy of his own family. Through his interest in electrical history, he has collected a library of nearly 1000 technical books dating back to the mid-1500's.

After his retirement, Mr. Espenschied expects to do some consulting work and writing on electrical history.

The Espenschieds are residents Kew Gardens, N. Y. and have married children, Lloyd, Jr., Carol, and four

Reprinted from
"WHO'S WHO IN ENGINEERING"
6th edition—1948

ESPENSCHIED, Lloyd. Cons. Engr., Bell Tel. Labs., 463 West St., N. Y. C.; res. 82nd Road, Kew Gardens, L. I., N. Y.
Engr.; b. St. Louis, Mo., Apr. 27, 1889; s. Fred F. and Clara M. Espenschied; edn. Pratt Inst., Brooklyn, N. Y.; m. Cheshire, Mass., Apr. 29, 1912, Ethel E. Lovejoy; ch.: Lloyd Jr., Carol. Radio amateur, and oper. during summers, 1905-1909; Asst. Engr., Telefunken Wireless Tel. Co., 1909-1910; Engr. Staff, A. T. & T., Bell Tel. Labs., 1910; active in devel. of new arts of radiotelephony and carrier current wire telephony and telegraphy; Cons., Bell Tel. Labs., to date. C-receiver of A. I. E. E. 1935 Award for best paper on research and devel.; 1940 Medal of Honor, I. R. E. Holds over 100 pats. Author: many tech. papers: Participant in internat. confs. on elec. commun. Mem. F. A. I. E. E., I. R. E.; mem. Inst. Aeronaut. Sci., A. A. A. S., Am. Geog. Soc. Active in Civic and B. S. A. wk. Club: Downtown Athletic; Ocean Club of Forest Hills.

ment
Laboratories
April 27

d Road
rdens 15, N.Y.

11415

THE Reporter

MAY, 1954

Volume 3, Number 5

Published monthly for all members of
BELL TELEPHONE LABORATORIES INC.
463 West Street New York 14, N. Y.

M. J. KELLY, President
M. B. LONG, Secretary and Treasurer

LLOYD ESPENSCHIED
99 82ND ROAD (NEWBOLD PLACE)
KEW GARDENS, NEW YORK 11415

#462-SGP

14 November 1969

Mr. Frank Geisel/2816 Tice Creek Dr. #6; Society of Wireless Pioneers;
Walnut Creek, Calif. 94595

Dear Frank:

As you see from this messy beginning, I'm too damn old to enter into the activities of any additional society. However, you have so mollified me as to cause me to think perhaps I should join up to pass along my experience. So, consider me "in"; I enclose the \$5.00 dues, if that's the amount. But please do not expect me to participate in any of your events; I definitely am too old for that.

You ask what I did after being with Telefunken 1909-10. The answer is given in a little biographical sketch I've made and enclose. You will find me registered in the IEEE Year Book.

Yes, the old wooden tub S.S. Manhattan on which I started in 1907 was quite a different animal than the ice-breaker that recently conquered the North-East Passage. That was quite a feat; nothing like oil to smooth the way! I enclose a sheet from the N.Y. Times of 11 November which hails the arrival in New York of the modern S.S. Manhattan; also the corresponding sheet of 12 Nov. confirming her arrival. Note the tribute to her radio.

Thank you for your last missive, the Rossmoor Leisure World illustrated folder, located also at Walnut Creek, Calif. A very attractive-looking place. So it represents some of the Dollar Line Steamship money! Appropriate enough as a wireless meeting place.

STORY
→
Come to think of it, - I have a photo, which I enclose, of myself as wireless operator on the S.S. Bermudian, 1907, taken alongside the wireless cabin on the upper deck. She was a trim ship. Upon arrival in Bermuda, I found the local newspaper there carried practically no USA news, only a little British news. So, I sat down and copied the 10 PM Press from the Cape Cod station of the Marconi Co. (old "CC"). handed it into to the newspaper office. We sailed and I never knew if they printed it. But next trip, at Hamilton I was met by a Marshall, who took me before some tribunal. I had violated the "law of the land"; ~~the~~ only news allowed was that received via the British cable. I knew not the law, naturally, and was let off; but I did tell them that they were missing something that was in the air overhead, something that American tourists would like. Again we sailed and knew naught thereafter! Wireless was free in those days, but not the international barriers!

Encl: xcheck
newspaper sheets
biog. sketches
photo, all of which you may keep.

Cordially,

Lloyd E.

SHIPS ON WHICH I SAILED AS "SPARKS",-

Wireless Telegraph Operator, United Wireless Telegraph Co.

462
56P

Summer 1907

Call Letters

1. S.S. Manhattan, Maine S.S. Co., N.Y. to Portland, Me., a creaky old wooden ship, laden with bed bugs; sister ship to the newer North Star. Several trips. J M
2. S.S. Orinoco, Royal Mail Steam Packet Co., N.Y. to - Kingston, Jamaica; Colon, Canal Zone; Porto Columbia, port for Barranquilla, where I was obliged to get off and await a return ship from Southhampton, England, that had sailed without an operator, namely the R N O
3. S.S. Atrata, sailing via Cartagena & Colon, to N.Y. R M A
4. S.S. Princess Ann, Old Dominion Line, N.Y. to Old Point Comfort and Norfolk, Va. Two trips before resuming school, at Pratt Institute, Brooklyn. O B

Summer 1908

5. S.S. Bermudian, Quebec S.S. Co., N.Y. to Hamilton, Bermuda and back; a ferry; three trips. B A
6. S.S. Merida, Ward Line. N.Y. to: Havana, Cuba; Progreso, Yucatan; Vera Cruz, Mex. Two trips. W H
7. S.S. Adirondack, Peoples Line, (Hudson River Night Line, with no questions asked!). N.Y. to Albany. Several trips, then back to Pratt Institute. X D

Fall, 1909

8. S.S. Lampasas, Mallory Line. N.Y. around Key West to Tampa, Fla., to Mobile, Ala. Two trips, awaiting job. A R

During that Fall I was offered a job, which took effect beginning 1910, with the Telefunken Wireless Telegraph Co. of America, being an assistant engineer located in the tower of the Trinity Building at 111 Broadway, N.Y. The free-and-easy days, of a wireless operator at sea before there was any license requirement, were over!

Lloyd Espenschied,
born St. Louis, Mo., 1889.

99 - 82nd Road.
Kew Gardens 15, N.Y.

RT- #462-56P

More "History"
On CX File

(noted A + set to CX 11/22)

has copy for
copy for

24 July 1963

#462

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Lloyd Espenschied,
born St. Louis, Mo., 1889.

99 - 82nd Road
Kew Gardens 15, N.Y.

Copy of this
sheet to be
for his file
11/18/69