

NJN

April, 1974

NEW JERSEY NET
3695 Dy 7&10 PM

WB2RKK, Mgr

W2ABL	Ed	Wall
WB2AEH	Chris	Holmdel
WB2AXY	Rich	Ridgewood
WA2BSU	Bob	Clifton
WB2CNO	Chas	Oakhurst
W2CU	Bill	Morris Plains
W2CVW	Ed	South Amboy
WB2DDQ	Thom	Cedar Grove
WA2DIW	Ed	Wayne
WA2DSA	Phil	Chatham
WA2DVE	Norman	Union City
K2EPA	Fred	Somerdale
WA2ELW	Rich	Chatham
K2EQP	John	So. Hackensack
WB2FGD	Gary	Trenton
WB2FWW	Harv	Kearny
WA2GAX	Chuck	Ocean Grove
WA2GMH	Cate	Trenton
W2IU	Sam	Absecon
WA2KFE	Dean	Maywood
WA2KIP	Ralph	Trenton
WA2NPP	(club)	New Brunswick
K2OQJ	(club)	Jersey City
W2ORS	Chas	Audubon
WA2OVE	Bob	North Haledon
WA2QJU	Doug	Elizabeth
WA2QNT	Matt	Kinnelon
W2RF	Frank	Wanaque
WB2RJJ	Bob	Tuckerton
WB2RKK	Bill	Madison
W2RUX	Chas	Linwood
K2RXQ	Bill	Oceanport
WA2SHT	Jim	Ba yonne
WA2SRQ/2	Ed	Morris Plains
W2SWE	Ed	Kearny
WA2TRK	Tony	Trenton
WA2UOO/2	John	Morris Plains
WB2VEJ	Bill	Cape May Point
WB2VPR	Tom	Nutley
W2VOJ	Mike	West Orange
W2ZEP	Ed	Tanamassa
K2ZFI	Jack	Towaco
W2ZJ	(club)	West Trenton

FUNCTION ROSTER

	NCS/E	2RN/E	2RN/L	NCS/L
SUN	WB2RKK	WB2VPR	WB2VEJ	WB2RKK
Mon	K2EFA	W2CU	W2CU	WA2QJU
TUE	W2ZEP	WB2RKK	WA2SHT	WB2RJJ
WED	WA2UOO	WB2VEJ	WB2VEJ	W2RUX
THU	WB2VEJ		WB2RKK	WB2VEJ
FRI	WA2SRQ	K2OQJ	WA2GAX	WA2DVE
SAT	WB2AEH	W2ZEP	WA2GAX	WA2GAX

MARCH STATISTICS

	QNI	QTC	QSP	SSNS
<u>EARLY:</u>	546	230	214	31
<u>LATE:</u>	253	178	104	31

Traffic is still kind of low. However, I am quite pleased to see that the QSP/QTC ratio has risen considerably over last month's.

Reliability

Most NJN members QNI night after night and many times there is no traffic for them to take. It is the one or two times a month that there's something for you to QSP that's important--the only problem is that before you decide to QNI you don't usually know if there's anything for you. Being on hand regularly for that message is what counts, and the following stations are to be commended on their participation:

	Early	Late
	#QNI	#QNI
W2IU	31*	WB2RKK
WB2VEJ	30	WB2VEJ
WB2RKK	29	W2ZEP
W2ZEP	28	
W2ABL	26	Early (cont'd)
W2ORS	25	W2SWE
W2ZEP	25	W2RF
	25	22

Note: If your call does not appear above, it is because you did not QNI

I wish to thank Bill, W2CU, for submitting an autobiography for this bulletin at my request. It should make interesting reading, as Bill has had many accomplishments:

BILL MUMFORD W2CU

WHO'S WHO IN AMERICA lists on page 2276 of the 1972-1973 edition: "MUMFORD, WILLIAM WALDEN, electronics cons; b. Vancouver, Wash. June 17, 1905; s Edgar Manley Mumford and Carrie Lucretia (Royal) M. A.B. Willamette U., 1930, m. Elizabeth Neal Douglass, Feb 20, 1931, children William Walden, Joan (Mrs. Lloyd E. Startz) Mem. tech. staff Bell Telephone Labs., Holmdel, N.J., 1930-1953. Whippany, N.J. 1953-70, cons radio frequency radiation hazards, microwave techniques. 1970-1971; dir. Weinschel Engring Co., Gaithersburg, Md. Adj. Asst Prof. environmental medicine N.Y.U. 1971- Mem. electromagnetic mgmt. adv. council office Telecommunications Policy, Office of the Pres., 1969- . Registered prof. engr., N.J. Named Engr. of Distinction Engring Joint Council, 1969, Fellow I.E.E.E. (life mem. administr. com. prof. group on microwave theory. Morris E. Leeds award 1967), mem Internat Sci. Research Union. Am. Radio Relay League, Telephone Pioneers (life), Quarter Century Wireless Assn. (life), Soc. Wireless Pioneers (profl. life), Brass Pounders League, Republican, Methodist. Clubs: Rag Chewers, Old Timers (life). Author (with E.H. Scheibe) Noise performance factors In Communications Systems (1968) (with Bell Labs tech. staff) Nadar Systems and Components, 1949. Contrbr. numerous tech. articles to profl. journals. Patentee in field..."

This guy is better known to the members of the NJ nets as "Bill", W2CU, and has been checking in here since the fall of 1968, (ORS, NCS, and 2RN rep.). Where's he been and what's he done with Amateur Radio?

Bill and his two brothers, Royal, W3CU, and Hal, W6CU, were first licensed as 7C7 in 1916. In those days there was a separate license for operating and for the station. Bill's operator's license was #485. World War I closed down their spark-coil-crystal detector station in Vancouver, Wash., and Royal went to sea as a radio operator. After World War I, Royal came home and taught his two kid brothers theory enough to pass the Commercial Operator's License exam. The call 7CU was assigned to Hal and in 1921 the Mumford Bros. were assigned the special call 7ZJ. An extensive ground plane of buried copper ribbon and a flat top antenna 85 feet high with a cage lead-in of home brew Litzendrecht wire were contributing factors which led to two notable records for station 7ZJ.

(1) (From Sept QST 1921 pg 32) "First honors in traffic handling this month (July 1921) go to the Northwestern Division. Mumford Brothers, W7ZJ, Vancouver, Washington 324 messages." (20M and 2UA had won it in June and Sept, respectively) QST goes on to report that Hal and Bill "...hold continuous watch..." and "put traffic through with that 'ton-of-bricks' spark."

(2) On the morning of Jan. 23, 1922, 7ZJ had a QSO with 5XB, Radio Laboratories, College Station, Texas, a distance of nearly 2000 miles. This may be the record for communication between two amateur spark stations!

Bill interrupted his high school education in 1923 to go to sea for a year on the Coast Guard Cutter Algonquin as Radioman. There he heard three SOS calls in one night during a raging Pacific storm. His tour of duty took him above the Arctic Circle twice and as far south as San Diego, Cal., participating in a number of successful rescues.

After graduating from high school in 1924, he became a telegraph Operator, Clerk, and Manager for the Western Union Telegraph Company before and during his attendance at Willamette University in Salem, Oreg. He was President of the Student Body there the same year that the famous late Edward R. Murrow was President of the Student Body at Washington State College. They developed a speaking acquaintance.

Upon graduation from Willamette U. in 1930, he came at once to Bell Telephone Laboratories at the Radio Research Lab. at Holmdel, N.J. There he was licensed as W2DIE in 1931. Although he never became very active at that time, he did join the "Jersey Shore Amateur Radio Association" and participated in several of their Field Days. There he became acquainted with W2JI and W2ABL.

After WWII he let his license lapse. But in 1967, the FCC had a rule that you could apply for a particular call if you had an extra license, and if you had a general license you could get an extra license without examination if you had been licensed prior to 1917. First, Royal, who had been W7AZX in Oregon and who had moved to Annapolis, Md. applied for W3OU and got it. Then Hal, who had been W6FAR in Calif. applied for W6OU and got it. When Bill heard that the rule was to be changed on December 1st, 1967, he went to New York on November 30th, took the general exam, asked for an extra by virtue of his 1916 license, and then requested the call W2CU. On January 23, 1968, it came through and there was joy in the Mumford household that night!

The three Mumford Brothers hold QSO's almost daily and anyone who works all three of them gets a special QSL card (described in the February 1973 CQ magazine.). So far they have sent out over 200 of them. (one of them went to K6WV, with whom they went to grammar school in 1916.) NJN members who have received them include W2ABL, WB2FEH, WB2NOM, and W2ZEP.

To celebrate the fiftieth anniversary of getting most messages in the USA by 7ZJ in July 1921, Bill originated more than 100 messages in July 1971, qualifying for BPL. Also in August of 1971 and July 1972, he made BPL so as to receive the BPL medallion. He had it engraved:
"1921 7ZJ - 1971 W2CU"

Bill says, "I am indeed very proud to be associated with such a noble organization as the NTS of the ARRL, and especially to be in constant touch with the excellent operators of NJN and NJPN."

Bill's other hobbies include: playing Bridge, Fishing, Playing Ukulele, Traveling and Lecturing. Lectures he has presented to amateur radio clubs include: Noise Performance Factors of Communications Systems, The Technical Aspects of Microwave and HF Radiation Hazards, Some trials and Tribulations (of Care and Feeding) of the Quad Antenna, Broad-Banding the 80 meter dipole (so as to get less than 1.5:1 vswr across the band). He was visiting Professor of Electrical Engineering at the University of California in 1955 and Ford Foundation Visiting Professor of EE at the University of Wisconsin in 1962.

A HISTORY OF NJN--Reprinted from WB2AEJ's "Guide to NJN"
Compiled by W2QNL and W2RXL
with assists by W2DRV (now K4EZH) and W2RG

The NJN is a result of the combining of two independent traffic nets, the "SNJ" and the "NNJ". The old SNJ developed back in 1935 originally as the Official Relay Stations Net. The ORS net became the SNJ net in January of 1941, meeting on 3700 kc at eight PM three nights per week with an average QNI of about five stations. Some of the members at that time were W2ZVW (now W5RE), W2ZI (ex-SCM of SNJ who had been W3AVJ, W3NF, and W3ZI), and the late W2RG.

After WW II, the old SNJ stations started up again in December of 1946 with the original members and half a dozen new stations such as W2BZJ (now W2JI-WA4HGS). They met on the old frequency same time, three nights a week. QNI's went up slowly to seven and eight per session, and finally to seventeen or eighteen stations per session. The time was then moved up to seven P.M.

The NNJ net dates back to the 20's and 30's as "Trunk Line 'M'". W2CGG, Pop, who is now deceased, carried on communication with Maine and New Hampshire, and down into Washington, DC, along with several other boys on 3565 kHz. After WW II, Pop re-activated the old NNJ on 3565, and after several years, the southern New Jersey boys wanted to join.

Thus it was, that in December of 1950, the SNJ combined with the NNJ to form the "Jersey Net". In July of 1952, the JN changed its name to NJN or New Jersey Net. Some of the charter members of NJN are: W2ADE, W2ANG, K2BHQ, W2BRC, W2BZJ (W2JI), W2CGG, W2OQB, W2CVW, W2RG, and W2DRV (K4EZH).

In December, 1968, the late (ten PM) session of NJN was added. WB2DDQ was manager at the time.

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Announcements

1. Nominations for SCM for NNJ are now open until May 10. See page 96 of April QST for details.
2. The ARRL National Convention will be held in NYC July 19-21, 1974, sponsored by the Hudson Amateur Radio Council, Inc. For information write: ARRL Convention
303 Tenafly Rd.
Englewood, NJ 07631
3. The Englewood Amateur Radio Association, W2RJ, is again planning on a big Field Day operation and is looking for operators. They will have 20-plus transmitters, and computerized ~~ARRL~~ dupe-sheets. For info, write: EARA
303 Tenafly Rd.
Englewood, NJ 07631
4. We still need people in Warren, Hunterdon, Salem, Sussex, Gloucester, Cumberland, and parts of Ocean counties. If you work anyone or know of anyone in these areas try & sell NJN to him (or her) or tell me so I can get in touch. If code speed is a problem, training can be done on NJN.

DELIVERY OF MESSAGES

Sometimes the NCS will request that a station pick up a message to mail it. This practice of asking the station nearest the destination of the message to mail (when there is no known outlet on the other nets or NJN) goes back a long time. Recently some of the stations have refused to mail messages. (QMT). This bothers me, because it isn't very often that any one station is asked to mail a message. It is also unfair to the station who has the message, if he is someone like a 2RN rep and has many such messages. If postage is a problem please let me know & I'll send you a stamp.., but let's not refuse to deliver messages. After all, that's the reason for HAVING NJN--to deliver messages

One other small point--if you get a message to deliver that has an incorrect phone number, don't give up. Call telephone Directory Assistance and see if they have the right number. It won't cost anything (now). If that fails, try mailing it. If you get it back, then send a service message back to the originating station stating the problem--(BRIEFLY!).

A final note somewhat related to delivery of messages to NCS--NJSN has a regular member who can deliver many parts of Sussex county--before you give it to someone to mail, see if you can get someone to take it to the Slow Net.

MEMBER NEWS

March winds visited the antennas of WA2GAX and WB2RKK...Power saw visited the tree WB2DDQ's antenna was on...WB2FEH is engaged... WA2EXX accepted to Stevens and is busy with school and two jobs... WA2CWS is on the first aid squad, not WA2DVE...NJN welcomes back WA2BLV (ex-mgr) and also welcomes WA2DSA and WA2ELW and WA2OVE...WA2DSA has a new 80 meter antenna...WA2DIW is now manager of NJSN...

Again, thanks go to those who participated on NJN this month and who helped supply material for this bulletin. I will be running for SGM. Until next month, see you on the net.

73, *Bill*
Bill WB2RKK