

about 12:30 a.m., managed to hook up with him. Contact being established he informed W3DQ of W3ASK's desire, called W3ASK out of a sound sleep by means of the telephone in his hotel room, and W3ASK, without getting out of bed, carried on a successful fifteen-minute telephone-radiophone QSO with W3DQ, with W3BTM acting as monitoring station, and manipulating the telephone and transmitter at the intermediate point. This was all on 3.9-mc. 'phone.

VE3WW—London Amateur Radio Club

The London (Ont.) Amateur Radio Club operated VE3WW on 1.75-mc. 'phone at an amateur radio booth in the Confederation building of Western Fair, London, September 10th-15th. VE3WW was crystal-controlled on 1790 kcs. Quite a bunch of messages were originated. Operators were VE3PA, VE3VR, VE3GA, VE3AAO, VE3AAN, VE3WW and Jack Paige. The exhibit was a complete success.

A.R.R.L. Trunk Lines

The first of the reorganized A.R.R.L. Trunk Lines to be completed and working 100% throughout is the Illinois to Texas route, "K." This line consists of: W9KJY, Glen Ellyn, Illinois—W9ILH, Alton, Illinois—W9FLG, Topeka, Kansas—W5CEZ, Ponca City, Oklahoma—W5MN, Texas.

Lines "A," "B," "C" and "H" are also practically complete throughout. All the other lines are expected to be in running order by the end of November.

The following stations have been chosen to handle the A.R.R.L. Trunk Lines; the order of listing in the case of each line shows the route taken:

Line "A": W2DBQ W8GUF W8FTW W9CKC W9OXP 3805 kcs. W9DGS W7ASQ W7LD
Line "B": W3APV W8GSO W9CDA W4AFM W9MZD 3795 kcs. W9IOL W9EHC W6GQC W6GYX W8LIE
Line "C": W1CRP W1ERQ W1AMG W2CHK W3EZ 3665 kcs. W3BWT W3BYA W4DW W4ASR
Line "D": W4DS W5CWQ W5BAR W5BII 3625 kcs.
Line "E": W3CIZ W8ELJ W4PL W9BWJ W9RYD 3870 kcs. W9KYZ W7BMF W7AYO W7AEA
Line "F": VE3FM W7CZY W7WY W7DTG W7UJ 3827.5 kcs. W6KGO W6EFK
Line "G": W2BJA W8DBX W8JTT W8DVC W9LEZ 3615 kcs. W7AVP W7DUE
Line "H": W9OEL W9PFI W9DEA W9LCX W9DHN 3605 kcs. W9BMA W9IEL W5BED W5DEJ
Line "I": VE1ER VE2HK VE3JT VE4AG VE4CM 3690 kcs. VE4MH VE4BZ VE5AC
Line "J": W9IYA W9BAZ W4APU W4CRH 3875 kcs.
Line "K": W9KJY W9ILH W9FLG W5CEZ W5MN 3835 kcs.
Line "L": W2EKM W8CIO W9JRK W9HKC W9FAM 3865 kcs. W9KPA W9PVZ W6DGR
Line "M": W3CWL W3BND W8KWA W8HCS VE3TM 3855 kcs. W8AEQ W9PDE

In order to maintain a place in the A.R.R.L. Trunk Line System all stations listed, and any others that may later become trunk line stations, must hold appointments as Official Relay Stations, must be crystal-controlled, must maintain trunk schedules at least five days per week, and must have Alternates to handle schedules should anything prevent them from keeping them. More complete details on the lines will appear in January QST.

Last season's "Star" line is again in working order and has picked up its excellent work where it left off last year. This line specializes in trans-Pacific traffic. The route is same as last year: W1FIO-W9KG-W9ESA-W6BMC-W6ETL.

An all-ORS transcon route, which operates "net style" in the early morning hours, is the "Owl Special" and comprises these stations: W6LIE-W6GYX-W5BDX-W4PL-

W3CIZ. About midnight W6LIE, W6GYX and W5BDX have a 3-way QSO, passing traffic both ways. At 4:45 a.m. C.S.T. W3CIZ, W4PL and W5BDX hold a similar 3-way. Something less than 12 hours service west to east; something over 12 hours east to west. The "Owl Special" operates six days per week.

Another fast line N.Y.C. to San Francisco: W2BGO-W5BDX-W6GYX-W6LIE.

Crystals, a "spot" frequency for each trunk line, are being furnished as follows: by Bliley Electric Company, lines A, B, E, F, I, J, K and M; by Precision Piezo Service, lines D and L; by Murrill & Murrill, line C; by American Piezo Supply Company, line H; by Kleber Radio Laboratories, line G. Crystals have already been received for lines A, B, F, H, I, J and K and are being forwarded to trunk line stations as their schedules are completed.

A message from Captain Minckler, Liaison Officer, Army Amateur Radio System:

WLM ck 74 AARS Washington D C October 1 1934 Headquarters A.R.R.L.

West Hartford Conn

This office wishes to congratulate your office on the manner in which the new system of trunk lines is formed stop It has been the belief here that single frequency operation of a net or trunk line for the handling of traffic by commercial comma war or navy department of amateur organizations was the most feasible of all methods stop Our sincere wishes for a most successful future in your trunk line operation

Minckler

Liaison Officer AARS

56-Mc. Schedule for Cleveland, Ohio

Every Wednesday, Saturday and Sunday are "56-mc. days" in Cleveland, Ohio. 56-mc. stations in that vicinity concentrate their operation on those days. The following are among the active 56-mc. javn in Cleveland: W8AXV AES IOG DDK HC BAH JVN COX LUY MOH CIN BFA.

A 56-Mc. Tribute

W1FEM, popular member of the Massachusetts 56-mc. gang, was killed in a motorcycle accident on Sunday, October 21st. At the instigation of W1FSK, word was passed around on Monday and Tuesday nights that there would be a 56-mc. silent period on Wednesday night in memory of W1FEM. At 7:30 p.m., Wednesday, W1KH, New England Division Director, sent QST's at about minute intervals until 8:00 p.m. At exactly 8:00 p.m. he signed—and the band was completely silent! A constant watch was kept on the band and not a single voice was heard for fifteen minutes—a most impressive tribute to W1FEM, and an almost unbelievable example of cooperation. At exactly 8:15 W1KH put his carrier on and said, "73 to W1FEM," thanked the gang for their silence, and said, "Let's carry on"—in two minutes the band was a roaring mass of signals from end to end!!

On October 8th the Second Corps Area Net Control Station of the Army Amateur Radio System, W2SC/WLN went on the air with a new transmitter. The station now contains a 300-watt transmitter, using a pair of 211 tubes in the P.A., and is housed in a building of its own in old Fort Jay on Governors Island, N. Y. It is operated by regular Army personnel and by Army Amateurs on the regular A.A.R.S. schedules.

As this issue goes to press, 420 operators have submitted copies in the Navy Day receiving competition. The 1933 participation figure has already been surpassed.

The Meters of the Morning

A 1.75-mc. 'phone club has been in operation in Florida since April 30, 1934. It is called the "Meters of the Morning." The purpose for which the group organized was traffic schedules and storm emergency relief work. At the present time cross-band drills are held with 3.9-mc. 'phones and excellent contact is maintained between the two bands. The officers at time of organizing were: W4BCZ, Frequency