

CHELMSFORD AMATEUR RADIO SOCIETY  
NEWSLETTER NO.199.

September 1982.

Next Meeting.

This month there is a change to the published programme. Arthur G3KPJ will give us a talk about his other hobby - archery. Those who helped at field day would have seen Arthur in action shooting aerial wire over trees. Venue as usual, Marconi College, Arbour Lane, Chelmsford on Tuesday September 7th at 7.30 p.m. for an interesting meeting about Field Archery.

Committee Meeting.

Wednesday September 15th, Sportsmans Arms, Hatfield Peverel 1830 GMT.

Report on last months Lecture.

Our intrepid flyer, Dick G3KTF gave a very interesting account of the many aids available to the pilots of light aircraft. He described the systems ranging from the straight forward Radio telephone right through to the complex computer controlled aids. The talk was illustrated with many slides showing the ground stations and the equipment inside the cockpit. Dick passed round some navigation maps and a pocket calculator specially designed for working out which direction to fly when there is a side wind. A tape was played of the control tower directing a series of light aircraft onto the airfield. It is possible to fly relying entirely on instruments, and in some cases you have to when you cannot see where you are going !

A lot of preparation went into producing the lecture and our thanks go to Dick for a very interesting evening.

Obituary by G3PMX.

Mrs. Betty Hance born in Chelmsford 56 years ago, died at her home in the early hours of Sunday 15th August after a long illness.

Since 1971, Betty was the Marconi Company Historian, in this capacity she became an acknowledged authority on her subject and regularly gave talks to radio societies as well as appearing on radio and television.

Our society benefited particularly from her interest in our activities, she provided valuable assistance enabling members to establish the commemorative stations GB2MT and GB2CCS, more recently she gave us the most informative talks on 'The Achievements of Marconi' and 'The History of the Titanic'. She will be missed by us all.

Writtle Community Association.

As announced at the last meeting, the club is putting on a HF demonstration on Writtle Green on September 11th for the Writtle Community Association. This is their annual fete and flower show and the theme this year is '2001'. A sked has been arranged for a contact with Chelmsford Massachusetts, during the afternoon. Why not spend an afternoon with the family at the fete and come and see how we are getting on.

Please would those members who said that they would be able to assist in the morning and gave Les their names be at the other end of Writtle Green from the Duck Pond by 11.30 to set the station up.

### A.G.M.

The Annual General Meeting of the Society is to be held on Tuesday October 5th. Nominations for any post on the committee are to be given to the President Roy G3PMX any time until the A.G.M.

### Visit to Home Office Monitoring Station - G3PMX.

On Tuesday 27th July, six members of the society spent a very interesting day out at Baldock in Hertfordshire. Conveyed by Peter G4DAN in his very comfortable mini-bus we set off from Writtle at 8.30 a.m, with a pause for refreshment in the town, we arrived at the station at 10.30. After passing through the security gate we were greeted by the Engineer in charge who in turn introduced us to our guides, two members of staff, who not by coincidence are also active radio amateurs, then followed three hours of most interesting descriptions of the functions of the monitoring service. The main control room contains four operating consoles, ancillary equipment, maps and countless volumes listing the worlds radio stations. Each console contained a wide range of receivers, frequency counters and DE equipment which in turn were connected to the extensive aerial system spanning the surrounding farm land. The frequency range covered is L.F. through to H.F. to the lower end of V.H.F. On a nearby hill is a microwave dish but we were not able to see this in action due to temporary mechanical failure. In all a most enjoyable experience which if related in detail would fill the newsletter entirely.

### Discussion Point.

We have decided to add a section each month in the newsletter to encourage discussion and to add some interest. This month we have a question : Can the S.W.R. in a length of COAXIAL CABLE to an aerial be different when used on transmitting and receiving ? Answer next month together with another question.

### Raffle.

Don't forget to see Daphne G8WQZ at the meeting for your raffle tickets, prizes this month include a digital watch and a retractable tape measure.

### Other News.

The club telomast is about to undergo a re-furbish. We have bought a selection of dog-clips, thimbles and cable clamps to be fitted to the guy wires to enable the telomast to be erected easily and quickly. A working party is due to descend on the telomast shortly to cut the guy wires to length and make them up with the fittings. It is hoped to have it ready for the Writtle Green demonstration on the 11th September.

73, see you at the next meeting.

Andrew.

Witham 512316 (Day)  
Silver End 83094 (Any other time)  
or GB3DA.

9, Abraham Drive,  
Silver End,  
Witham, Essex.

### FOR SALE.

FT290R 2 metre multimode complete with carrying case, mint condition, £200. Roy G3PMX, Chelmsford 360545.