

**Eliminators.**

THESE are becoming increasingly popular with those who can harness their sets to the power mains, but they are not playthings. Remember that 230 volts enter them, and if not properly connected may cause a nasty shock as well as a nasty mess in the set.

A case of what can be done through lack of knowledge recently came before a local dealer, when a set, refusing to function, was brought in. It appeared that an eliminator had been connected to the set, and on turning on the power something seemed to go wrong—a spark, a splutter, and no more.

On examination it proved that no fewer than ten bi-pass condensers had been burnt out. These are not easy to fit, with the result that someone has to pay. Usually it is the set owner.

Like everything else in radio, eliminators are extremely valuable if left alone when set going by the dealer. Under these conditions, or when installed strictly according to instructions, they function perfectly.

If the set owner does not feel confident to install his own eliminator, he is well advised to get it done for him by his dealer, who will see that he is guarded against such mishaps as these.

It is worth noting that the Fire Underwriters require that the eliminator case be earthed.

**Prices.**

IN most cases, the prices of radio equipment are standardised, and when a certain price is asked it should be realised that it is the standard.



Those unacquainted with their sets and who are often troubled with quite simple problems will find in these columns from week to week notes on the elements on radio.

certainly not above it. Similarly with service. If it is worth calling a man it is worth calling an expert, and as such he must be paid. An incident in this respect is worth noting: A radio enthusiast, desiring to keep up with the times, went to purchase a screen grid valve, tendering 5s. Nothing would convince him, when the retailer asked the usual price, that he (the dealer) was anything more than a cringing profiteer. He had seen them advertised at 5s. !!!

**Crystal Sets.**

A LITTLE incident which occurred recently serves to illustrate a misconception regarding crystal sets. A would-be wireless enthusiast purchased a well-known make of set, only to be very disappointed. He could get only the local station.

On being told that is all that could be expected of such a set, he expressed great dissatisfaction. An owner of such a set in England could bring in several stations, including Paris—why couldn't he bring in at least IYA, 3YA, and the chief Australian stations.

Doubtless this question worries many, but its explanation is simple.

The B.B.C. plan through co-operative organisation to place at least two stations in the range of crystal owners in all but the most remote districts.

South of Manchester, there are five stations (broadcast) over 1500 watts. These include two stations at Daventry, both 25,000 watts, and London with 5000 watts. Paris, 200 miles from London, operates with 5000 watts. These could all be heard on a good crystal receiver.

Compare this with New Zealand's four well-separated stations—1YA (500 watts), 2YA (5000 watts), 3YA (500 watts), 4YA (250 watts). The factor of distance must be allowed for.

**Amplifiers.**

WHEN one or two valves are added to a crystal it is not to be expected that, as far as distance getting is concerned, the set would be equal to a three-valve or even a two-valve set, without a crystal.

Primarily, an amplifier is intended to put the local station on the speaker at satisfactory strength. Cases are, however, quite common where even Australia has been brought in—off the 'phones only.

When the crystal set so amplified fails to bring in other stations it does not indicate any fault; it is merely the normal state of affairs.

**Lightning Arresters.**

AS is generally known, the inclusion of these between the aerial and the earth is compulsory.

Shortly after this measure was taken a local dealer had a humorous if not an illuminating case of misapprehension. In accordance with the regulations, a customer had purchased an arrester and installed it. A few days later the customer, very distressed, returned to the dealer complaining that his lightning arrester was not "working properly."

On being questioned, the youthful purchaser, having described how he installed it, ended: "I am quite positive it won't work. I have watched it now for a very long time and not one flash of lightning have I seen in it!"

**AT 1YA.**

TUESDAY, SEPT. 25—Uncle George has to go to Wellington so Uncle Pat is in charge to-night. You remember Uncle Pat? He always tells you to brush your teeth before going to bed. The Farmer's Boy will also be present with some of his jolly songs, and cousins will play and recite.

WEDNESDAY—Ho! Ho! Uncle Tom! We're in for a merry hour for Uncle Tom has the Sunshine girls with him and they will have merry choruses to sing and Uncle Tom will have merry tales to tell.

THURSDAY—Peter Pan and the ever-popular Bayfield Choir will entertain this evening. Birthday greetings and Radio Postie as usual.

FRIDAY—Stories, songs and birthday greetings for the Radio Family from Nod and Aunt Jean to-night, also cousins singing and reciting.

SATURDAY—What have you for us this evening, Cinderella? Why, Cousins Betty and Nola are playing their winning duet at the Competitions, and other pieces. Cousins Eileen and Nellie have some songs for us, and altogether we are looking forward to a happy hour in Radioland.

SUNDAY—Children's Song Service conducted by Uncle Leo, assisted by cousins from the Mount Albert Baptist Sunday School.

# Children's Sessions

**AT 2YA.**

MONDAY, SEPT. 24—To-night the girls from Queen Margaret College will sing. They will be conducted by Mr. Len Barnes. Uncle Jeff will greet the birthday folk and puzzle them, and Aunt Gwen will also be there with her story book.

TUESDAY—The pupils of Miss Rose Carte to-night. They have won prizes in the Wellington Competitions so they must be clever little people. Cousin Zac will play his steel guitar and Cousin Orma has some violin solos which all will enjoy—and of course, birthday greetings from Big Brother Jack.

THURSDAY—The Junior Red Cross will give you of their best to-night. There will be girls and boys to sing the happy chorus. Birthday greetings and bedtime stories from Aunt Gwen.

FRIDAY—Friday to-night well Friday brings Uncle Ernest with his stories and poems and happy greetings. Music, too, by such clever little cousins.

SATURDAY—To-night Uncle Toby and Aunt Gwen will do their best to entertain you little ones.—I wonder what they will do—perhaps Uncle Toby will sing and

play his mouth organ, and Aunt Gwen will tell a story or read a poem, and then will come the good-night song: "Good-Night Little Children—Good-night."

SUNDAY—The Children's Song Service will be conducted by Uncle Ernest assisted by the Brooklyn Methodist Sunday School under Mr. A. Gittings.

**AT 3YA.**

MONDAY, SEPT. 24—Scatterjoy will take you all "Through the Streets of London Town. "Soon we'll be in London Town, sing my lad, yo, ho." Listen to the quaint street calls of hawkers and costers. Appropriate songs by Cousins Ivor and Joan.

WEDNESDAY—To-night you are going to hear the story of "The Princess of Poppyland," told in song and chorus by the pupils of the Technical College. Mother Hubbard and Uncle Peter here to tell you stories and call birthday greetings.

THURSDAY—Chuckie and Aunt Pat and a group of little singers and reciters will be in the studio to-night—so you know there will be something good to listen to. Cousin Victor will sing "The Lowland Sea."

FRIDAY—Big Brother on deck, and the pupils of the Addington School in songs and choruses. Major Ashworth will give another interesting talk about the scouts and their doings.

SATURDAY—Uncle Sam and a group of little folks will keep you merry and bright for this bed-time hour.

SUNDAY Children's Song Service, conducted by Uncle David. And we are to have some beautiful records of sacred singing.

**AT 4YA**

TUESDAY, SEPT. 25—This is a mouth organ night. Mr. W. Morgan can play splendidly, and has won many prizes; to-night he is going to try and win the best prize of all—the cordial liking of Brother Bill's large radio family. There isn't the slightest doubt that he will do it, too. Stories by Brother Bill of an unusual kind, letters, and the Radio Postie.

FRIDAY—The Boys' Division of the Y.M.C.A. will be on the air to-night, with Mr. Jack Ledgerwood, their leader. They sing well together, and some of them give perfectly stunning recitations. Also there will be a trip on the Time Scooter to see one of the wonders of the British Empire. Does any member of the family know where asphalt comes from? Take a trip in the Time Scooter to-night and see for yourself. Letters, and birthdays as usual.