This article stressed these main points: nonlinear screening, including the possibility of bound states; long range oscillations; relation between screening and phase shift; virtual bound states. [The SCP indicates that this paper has been cited over 520 times since 1961.]

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“1957 was the year of the first summer school on solid state physics in Varenna, when most of us were still young and swarms of our children were jumping in and out of Lake Como making deafening noises in front of the small lecture room. It was a most representative selection of the then active people in the field. This is probably why my lecture notes, on the electronic structure of alloys published in Nuovo Cimento in 1958, have been more cited than the original works of the 1952-56 period they were summarising.1