# NOISEWORKS – A CALCULATION SPREADSHEET
FOR ACOUSTICS PROFESSIONALS
From SoundScience@WM

It's five thirty and you want to go home. You just need to work out whether 10mm glazing will meet the criteria. Set up a spreadsheet. Where was that emission spectrum? Now where's the TL data (and which TL data?). Program the A-weighted addition. Doesn't work. Is the room correction right? Was the programming right? Try double glazing. Damn – they want to know NC. How do you calculate that again?

Ladies and gentlemen, introducing NoiseWorks – for acousticians who want to go home. A fully-featured spreadsheet program, based on *Worksheets* that perform calculations on octave- and third-octave band spectra, giving you A- and C-weighting, NR, NC, RC, Rw, STC – the whole alphabet soup. And combined with this, *Datasheets* give you a database storage and retrieval system to save noise emission levels, transmission losses, absorption co-efficients, etc. for direct use in your calculations.
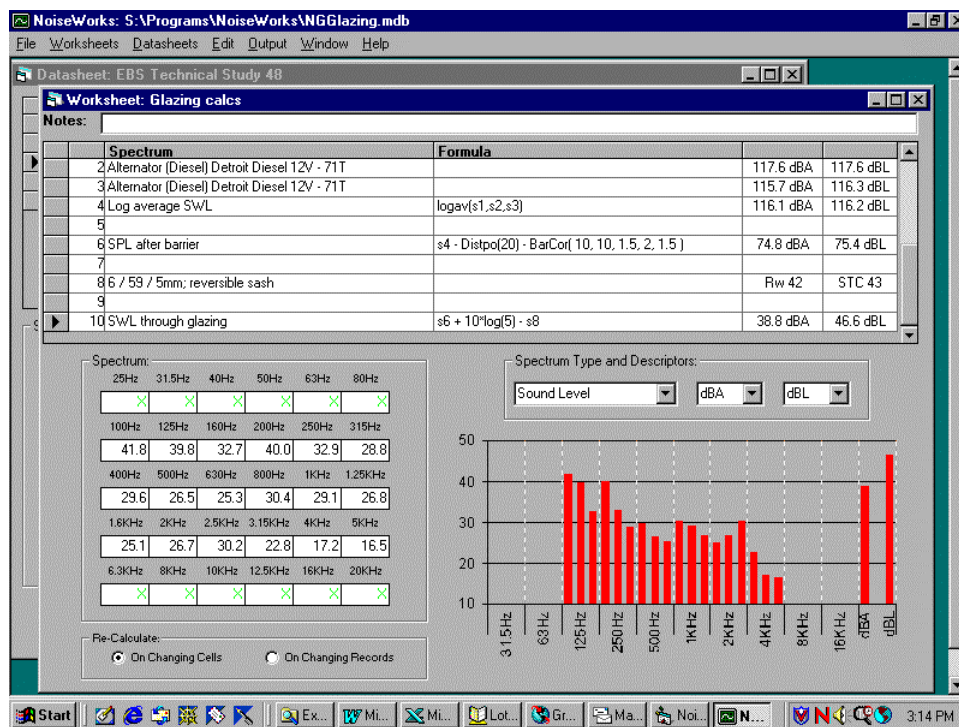
Using NoiseWorks, you'll find that you start to think differently about calculations. You can forget about the mechanics of barrier corrections, line-source calculations, etc – they're all built in. Duct attenuations can all be saved in the database, ready to use. You can concentrate on the real issues that affect your clients.

NoiseWorks also gives you report-quality graphs, with selectable line types, legend entries, etc – print the graph directly, or copy and paste into your report. Worksheets can be printed in a number of formats, or the formatted data can be copied and pasted into a report.

All information is saved in database files that are directly compatible with Microsoft Access, so everything is available for other programs to use, and for sharing with other users.
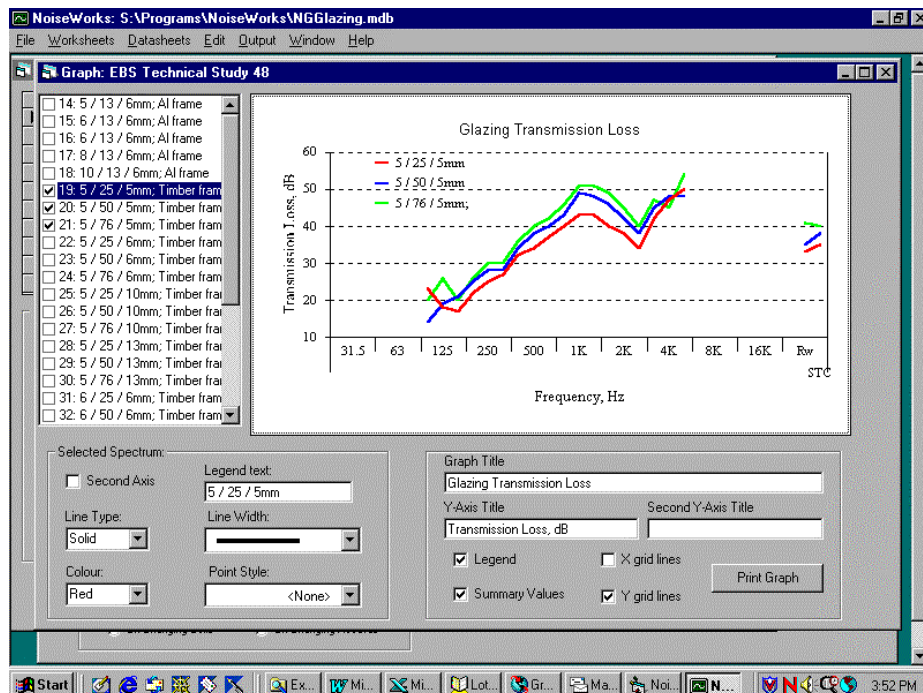
NoiseWorks can certainly save you some time and lower your stress level a little. With the features it offers, we hope NoiseWorks can become an integral part in an acoustician's toolkit. In fact, we hope it becomes the "standard" for acoustic calculation.

And here's the best part.   It's **FREE**. Just register with SoundScience@WM (we promise not to give your details to anyone else) or download from **www.wmpl.com.au**. But only, as they say, for a limited time.

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