

Contents

- Editorial
- Note from the Chair
- Events
- Users Conference November 12, Edinburgh
- Abstracts for November
- AGM
- Review of Users Conference on June 26
- Version 4.0 Pre-Release
- 1998 International Conference
- Forvus News
- Frequently Asked Questions
- Committee Members

Editorial

Welcome to the late Summer / early Autumn issue of **Reporter**. Fresh from a successful One-Day Conference in London this June - reviewed inside this issue - we are now looking forward to the Scottish One-Day Conference at Edinburgh in November, further details of which are also given in the issue currently nestling a short distance from your eyes.

We are now a matter of weeks away from the full release of the 4.0 Windows product, for which we have been waiting a long time. Those of us at the June Conference saw a demonstration of an advanced beta version, and were impressed with what we saw. This has recently been superseded by the pre-release version which has gone out to the beta testers, for final review ahead of the full release.

The theme of looking forward to the future continues with the programme for the Scottish Conference, which has further workshops on Windows Development Language, and the pre-release Windows version 4; a paper on the necessity of ODBC for SIR, which we may well see in version 5; and a look at those features of past releases of SIR which have now been dropped or down-graded, but which could beneficially be reinstated for future Windows releases - ICE, for instance, which seems regrettably to have melted away. There are, in addition, a number of user application papers.

So, the message is onward, onward, ever onward! All is set for an exciting Edinburgh Conference, and we look forward to seeing you there.

Michael Staley

Note from the Chair

Since the last Reporter we have had a very successful one day conference in London, details of which appear elsewhere in this issue. SIR version 4 is even more imminent, the pre-production CD's for the Windows version having

arrived this week. The production ones just await the final tidy up and CD cover designs etc. It should not be too long before other platforms arrive.

You will all then be let loose on the wonders of WDL. If you weren't at the London Conference then make sure you book for Edinburgh if you want to learn how to write WDL and to find out what it can do for you.

If you would like to help us organise conferences and be at the forefront of information on the progress of your favourite database package, let alone getting out of the office once every couple of months or so, then why not join us on the committee. Let me know preferably before the AGM if you would like to stand for election.

Dave Doultton

Events

September 30	ASC Conference, London <i>The Interview, the Internet and the Impact</i> for full details email asc-3i-info@essex.ac.uk
November 12	SIR Users Conference Edinburgh
April 20-22, 1998	International SIR Conference in Florida

Users Conference November 12, Edinburgh

Following the highly successful one-day conference in London in June (***described elsewhere in this issue***), we have scheduled a one-day conference in Edinburgh on Wednesday 12 November. The day will be a combination of training, tips and tricks and user papers and be a great opportunity to learn more about SIR4 and to meet other users.

The full programme is given below, with the abstracts where available.

Although we expect that most delegates will come from the Edinburgh area, the programme starts at 10.30, with coffee and registration at 10.00, to give a little travelling time for those arriving from Aberdeen, Darlington etc.

The conference is a snip at £40, and space is limited, so please complete and return the enclosed booking form as soon as possible.

10.00	Coffee and Registration	
10.30	Welcome	Dave Doultton, Chair
10.40	SAVE our SIR or "Don't throw out the baby with the bath water"	John Lemon, University of Aberdeen
11.10	Training 1 SIR 4.0 Transition and Demonstration	Kathy Brooks, Forvus
11.45	Demons, Ghosts and Other Nightmares	Dave Greatorex, BBC
12.15	Forvus News	Kathy Brooks
12.30	AGM	
12.45	Lunch	
13.45	ODBC - A Necessary Option for SIR	Randy Banks, University of Essex
14.15	(to be arranged)	Martyn Mawson, Humberside Police
14.45	GHS Data for Students	Joan Fairgrieve, Edinburgh University Data Library
15.15	Tea/coffee	
15.45	Training 2 - WDL	Dave Doultton
16.30	Panel	
16.50	Review/summary	Randy Banks
17:00	Close	

Abstracts for November

SAVE our SIR or "Don't throw out the baby with the bath water"

SIR has changed quite markedly over the last few years, firstly with the advent of the menu system and now with a new windows/GUI interface.

The changes and developments were outlined in John Frances' paper in London at the June

conference, soon we will be hearing from Ozzieland what will be happening for SIR 5 (speech recognition?) but what will we lose?

Can we afford to lose these 'obsolete' features?

As the title suggests we need to look at the system as a whole and decide 'can I continue to efficiently maintain my system when feature XXX is removed?'

In five years time, when version 5/6/7 is released, it will be too late to re-instate the obsolete but vital functionality.

John Lemon
University of Aberdeen

Demons, Ghosts and Other Nightmares

Over the past few years BBC Audience Data Services (formerly Broadcasting Research) have been developing the *Questor* system to give users a single PC GUI interface to a number of SIR databases holding TV Audience Data held on UNIX file servers. More recently we have developed a similar system, *Rambler*, to give an interface to SIR databases holding Radio Audience Data. These systems allow researchers to generate sets of parameter files to analyse the data and to import the results to Word or Excel.

This paper will explain how these parameter files are recognised so that the analysis is run in the appropriate SIR database on the correct server and the results returned to the researcher and will also give an account of some of the problems we experienced in developing the interface.

Dave Greatorex
BBC

ODBC - A Necessary Option for SIR

The ODBC (Open DataBase Connectivity) standard is Microsoft's solution to the problem of developing client/server applications in a heterogeneous computing environment. It is supported by many vendors, and SIR have given a commitment to implement it. Many SIR users are, however, still unaware of what the standard actually is, how it works and what tangible benefits it could bring. This paper will address these issues

Randy Banks
University of Essex

GHS Data for Students

Part of the role of the Data Library at the University of Edinburgh is to help research and teaching staff with access to data for secondary analysis, moving the data between packages if necessary. This talk describes how we went about creating a subset of the General Household Survey SIR database for use by the Social Policy Department in teaching their students about data analysis. This involved converting the data for import into StatView4.

Joan Fairgrieve
Edinburgh University Data Library

Training 1 SIR 4.0 Transition

This session will demonstrate the new SIR version 4.0 beta software and give training in the new facilities and options. Advice will be given on moving existing databases and applications to version 4.0.

Kathy Brooks
Forvus

Training 2 WDL

The WDL training will show you how to create a WDL script to produce menus and dialogs to enable you to run programs and view your data. There will also be indications as to how to use the dialogs to edit your data as well.

Dave Doulton
University of Southampton

AGM

The Annual General Meeting of the SIR UK Users Group will take place on 12th November 1997 at 12.30pm in Edinburgh.

The Agenda will be as follows:

1. Apologies for absence
2. Minutes of the last Annual General Meeting
3. Matters Arising
4. Chair's Report (Dave Doulton)

-
5. Treasurer's Report (Charlie Owen)
 6. Elections
 7. AOB

The committee currently consists of:

- Randy Banks, Dave Doulton (Chair), Toni Moulin, Peter Ritchie and Karen Brannen (Joint members), Michael Staley (Secretary) and Barbara Stowe and Bill Powton (joint members) who were elected at the 1996 AGM and continue in office until 1998 (Bylaws article 6(b)).
- Hilary Beedham and Charlie Owen (Treasurer) who were elected at the 1996 AGM and are therefore retiring (Bylaws 6(5)).
- Kathy Brooks who is the ex-officio member appointed by the SIR distributor (Bylaws Article 5(5)).

There are thus up to three vacant positions to be filled by election (Bylaws Article 5(a)).

Hilary Beedham and Charlie Owen are eligible to stand again for committee membership (Bylaws Articles 5(5) and 6(d)). Other nominations for committee membership will be received by the current chair up to 11.00am on 12th November 1997.

Review of Users Conference on June 26

The day opened with a welcome to the Conference by our illustrious Chairman, **Dave Doulton**, who whet our appetite with a preview of the papers to come, particularly the demonstration of an advanced beta version of the Windows product, and a workshop on the application of the Windows Definition Language.

The programme kicked off with a keynote speech by **John Francis**, entitled "SIR: from ICE to Mice". John outlined his many years experience of using SIR, from the old days of version 2.1.3 (ah, sweet bird of youth) on a mainframe, to the 3.2 PC extended memory product. He compared this to his attempts to use the 4.0 Windows beta version, which he had found frustrating due to the lack of documentation and its rudimentary feel. He said that the Windows product should be easy to install and use, in line with other Windows products. His message was that SIR had to pay more attention to these things.

Interestingly, the next item was a workshop/training slot, with **Kathy Brooks** demonstrating the Windows product. She was

using a version which, although still beta, was later than the version which had been issued to beta testers and more polished. In fact, many of John's reservations had been addressed and overcome, and this later version was a vast improvement. There were still a few bugs to be ironed out, but much progress had clearly been made since the issue of the beta.

Next we had **Charlie Owen** presenting a paper on the analysis of Labour Force Survey data to examine the changing employment status of parents. He concentrated on the trends deduced from LFS data for the years 1984 to 1994, showing how SIR had been used, what its strengths were in this particular task, and so forth. He ended the paper by saying that recent changes to the structure of the LFS data files would make this sort of analysis more difficult, a view queried by some from the floor.

Randy Banks then gave us a report from the International Conference in January 1997 in Sydney, to which several of our Committee members had gone. The Conference had been well attended and had a rich mix of papers including a keynote speech on "SIR today", an outline of the Quality Assurance testing currently employed by the developers of SIR, and SIR use on the Internet, as well as a range of user applications papers. Randy successfully dispelled the scandalous notion that he and his colleagues had done little more than indulge themselves in sun, sea and sangria.

We had a rundown of Forvus News from **Steve Flack**. These people seem to be doing rather well, taking on a host of consultative work in addition to being the UK distributors of SIR. A major chunk of their work is producing the school performance tables, but there is much more besides, and the outlook is one of consolidation and growth.

At this point we broke off for a delicious buffet lunch and a chin-wag. Many took advantage of some lovely wine - not, though, your intrepid Reporter reporter, who could think only of maintaining a clear head in order to capture as much of the day as possible for future Reporter readers.

After fortifying ourselves we were ready to sup once more at the fount of wisdom. The first paper of the afternoon was by **Janet Dyson**, and she explored the use of macros for controlling and monitoring retrievals. Janet detailed several different methods of achieving this, such as displaying the number of cases processed, the use of progress bars, writing the progress of a retrieval run in background to a monitoring file, and more. She presented an option to abort a retrieval without causing damage - as we know, CTRL+C does not always work, and the rather more desperate option of rebooting is liable to corrupt

the dataset, not surprisingly. The code Janet outlined checks after processing a specified number of cases (e.g. 100) to see whether the escape key has been pressed; and, if it has, processing is ended gracefully and - more to the point - not in the middle of updating.

We then had a paper by **Niels Veldhuijzen** on the use of globals in PQL. Niels confessed to a great fondness for globals, and after many years of using them he had a great deal of experience and suggestions for their use to pass on. He also spoke of the use of the global "I'm from Arnhem", which he has found as a visitor from abroad opens many doors.

Next came a paper from **Lisa Zaninetti**, who works for the BBC, on her work in the Audience Data Services. The advent of Channel Five meant some changes to the system of audience monitoring, a suite of several software types in which the role of SIR is important. Reports from SIR are now posted onto the World Wide Web. This paper gave interesting insights into the microcosm of audience research and gave a fresh perspective on how Channel Five has fared to date.

After a quick break for tea, coffee and more chin-wagging (I couldn't get a word in edgeways), we had a paper from **Adrian Birch** on a suite of programs he has developed to convert SPSS system files to SIR Tabfiles. The core of it is a software package called PERL, which is used as a code generator. Anything which makes easier the porting of datasets from SPSS to SIR is to be welcomed. The trend of Windows software is towards making such porting a matter of routine, and thus the problem may well be overcome in a future release of the Windows product ("For lo! Software package shall speak unto software package!"). Until such a nirvana is ushered in, however, innovations such as the one developed by Adrian are most welcome.

The second training session of the day followed - a demonstration by **Dave Doulton** on the use of WDL (Windows Definition Language) to create menus and dialogs, to run programs and to view data. This is a powerful language, and Dave has evidently applied himself to it with insight and enthusiasm, such was his grasp of it in the time since its presentation in Australia at the International Conference. WDL can be used to customise the software interface to an impressive extent, and this was an extremely interesting workshop.

The Conference concluded with a panel/discussion about SIR, a review of the papers and presentation of gifts to the speakers, and a wine 'n' cheese reception in the nether regions of Forvus House, which for those of you who have never visited it is a fine Georgian building. Thus

ended an interesting and extremely well attended Conference.

Mick Staley

Version 4.0 Pre-Release

The following is extracted from an email dated 5th August to all distributors and Beta testers

"In our last progress report to you, we said "It looks to us as if we would be able to ship pre-production versions in July". Well, we are very pleased to be able to announce that we have finished (hurrah !!) software development on version 4 for Windows and we will be making some pre-production CDs this week and will ship them to Beta testers and distributors as soon as we have them. Almost made July. We have various tasks to finish before we actually go to production so we have a short window of opportunity if anyone finds anything that needs immediate fixing.

1) Updates to Windows Beta version

We allow switching between databases and have sorted out all of the issues about running without a database and then reloading, importing, etc.; we fixed the problem with INCLUDE in a procedure; we now allow an essentially unlimited number of files in a DBMS/PQL job; we have reviewed and fixed year 2000 issues and allowed user specified century assumptions on two digit years; we have included progress reporting where practical; we have added a NOEOL (no end of line) option to the PQL Write command; we have enabled the 'Break' key where practical.

We have also fixed the following old SPRs which hadn't been fixed when the beta version was shipped:

- 4794 Sorting on real numbers
- 4771 Numbers lost significance in Forms
- 4937 Record Locks in subroutines
- 4833 IF & NPUT/SPUT
- 4809 PWRITE and member extensions :E,:M
- 4776 Full screen problems at 1,1
- 4029 SQL Backup/Restore problems
- 4868 Use of scientific notation (This has been fixed in a number of places)
- 4851 EXP (x) Function gave wrong answers on certain numbers

We have addressed all the SAS, SPSS, BMDP, MINITAB, DBASE, SYSTAT stuff and it all passes our tests.

We dealt with use of paths for the external editor and with temporary filenames We implemented Print on the file menu in DBMS and SQL. We allow very wide output from SQL (up to 32,000 bytes a line)

WDL itself has been improved with better layouts, improved features and fixed bugs. We have also made major improvements to the WDL script and it now includes schema and tabfiles.

2. Master and 'M' products

I am pleased to tell you that we have integrated all of the Master/M Product processing in with the standard versions of the software and there will no longer be special M versions. You invoke the use of Master by SQL/FORMS/PQL simply by specifying an MST= parameter on the execution statement. We use TCP/IP for communication and expect this now to be very straightforward.

3. SIR API

We are shipping dynamic libraries and examples such that you will be able to create applications that talk to SIR at both the DBMS command level and the SQL command level. This means that you will be able to pass SQL commands and get back SQL output or pass DBMS commands and get back DBMS output from user written applications. We have made this very simple and think that any C programmer would have no difficulty using it immediately. We see the SQL part of this as a precursor to full ODBC.

4. Host

We have made all the Host routines part of the standard DLLs and have tested Host/Mhost with both Fortran and C.

5. Documentation

We have converted all of our existing 3.2 documentation to html and now have all of this available through browsers. We have built indexes and tables of contents to the various sections and to the whole lot. This material will be on the CD we ship this week. We had thought of separate help in standard Windows help format but since Microsoft have announced that html is to be the basis for all future help, we have decided to use our html file for help in this release.

N.B. The html documentation is being supplied on this pre-production version as an indication as to how things will look. It will be subject to

considerable upgrading before commercial release.

6. Tasks ahead

We are finalising our CD cover design and packaging and we hope everyone is going to like it. We are writing the various bits of text and instructions that have to be a part of all of this.

We are going through all the documentation and updating it for version 4 and linking it to on-line help. This is now our biggest outstanding task.

We will be progressing this version on Unix on various platforms this month. OpenVMS for Alpha will follow."

Tony Reardon

1998 International Conference

To celebrate our 21st birthday, SIR is holding the next User Group meeting in Orlando Florida. Following the successful User meeting in January in Australia, with attendees from Denmark, Germany, Holland, Saudi Arabia, UK, USA, and of course, Australia, SIR is inviting users to the USA for the 1998 conference. To make the conference even more worthwhile, training has been integrated in the meeting.

At the 97 conference it was suggested that as many users have special SIR skills or applications that they would be willing to give training sessions about, these sessions could be very useful for the 98 conference. On many occasions, users have given papers which outlined techniques or applications which the attendees would have liked to learn about. If you have a topic which you would like to deliver as a training session or workshop in Orlando in 98, or you have any topics you would like to see given by other people please let me know. If you are willing to give a training session and yours is chosen for inclusion, the US\$350 conference fee may be waived.

Provisional Program User Conference 98

Venue:	Ramada Resort Maingate Orlando
Conference Cost	US\$350 Per Person
Hotel Cost	US\$65.50 (Inc Tax) Per Room Per Night

Sunday 19th April

17:00 - 19:00	Registration
19:00	Cocktail Welcome Party

Monday 20th April

09:30	Welcome & Keynote speech
10:30	User papers
12:30	Lunch
14:00 - 17:00	SIR/ODBC Training Workshop
19:30	Dinner & Show

Tuesday 21st April

09:30	User papers
12:30	Lunch
14:00 - 17:00	User Training/Workshops

Wednesday 22nd April

09:00	User Training/Workshops
12:30	Lunch
14:00 - 17:00	User papers
19:30	Conference dinner

The conference fee includes all conference materials and all meals shown above plus breakfast. The Ramada Inn features 2 swimming pools, a sauna, gym, fitness centre and 2 lighted tennis courts. It is a 2 storey property with 391 first class rooms with TV's, videos, phones. There are 2 double beds in each room and the price includes accommodation for up to 4 people in the room, so bring the family for a trip to Disneyworld.

If you are interested in attending, offering a paper, or giving a training session please register your interest with Robyn Jackson at SIR.

Robyn Jackson

*SIR Pty Ltd
1/10-18 Cliff St
Milsons Point NSW 2061 AUSTRALIA
Tel: +61 (0)2 9929-7466
Fax: +61 (0)2 9929-7498
Email: robyn@sir.com.au*

Forvus News

More staff, more staff!

Our search for a new consultant (see May's Reporter) has now concluded with the appointment of **Matthew Johnson**. Matthew joined us from ORC/SIA, where he had been doing work on the Family Resources Survey at the Department of Social Security. He will be heavily involved in the production of Primary Schools Performance tables with Janet Dyson. Using his impressive skills in database design and analysis, and in-depth knowledge of the SIR system, he is already making a contribution to the project's hectic workload.

While we were about it, we decided to recruit a receptionist as well, to help out on the clerical and administration front. **Lina Stoto** joined us in May and has already settled in well. Half Polish and half Italian (I haven't worked up the courage to ask which half is which yet) Lina has proved highly capable, both in terms of her work and in hammering the rest of us on the snooker table. Her gregarious personality is a real asset to Forvus, and she seems to be able to turn her hand to anything.

Faster than a speeding bullet.....

Forvus' fast tabulator, QuickTAB, has got a new name. The new version - due out shortly - will be known as **Qstat**. The change reflects Qstat's positioning more in the statistical arena of data analysis.

For those not familiar with QuickTAB/Qstat, it is fast tabulation software which has the ability to tabulate large quantities of data very quickly. A million records tabulated in under 20 seconds on a Pentium PC; and Qstat's unique data compression allows users to store large volumes of information on their desktop without resorting to mini computers or workstations.

The main feature of Qstat is that it has become a full Windows product. It has the simple to use 'point & click' table building functions of the old QuickTAB EASY module, together with the flexibility of the program editing options of the PROFESSIONAL module for those who require more complex tables. Other new features include a 'Big Editor' to enable users to edit files of unlimited size. This is useful where, for example, a large and complex data dictionary requires amendment. Additionally, users are now able to 'test drive' their table output by selecting a specified number of cases, enabling them to

quickly check on a table format without having to process the whole database.

Qstat is now undergoing final testing and documentation, and a commercial release should be available in the Autumn.

The Other Forvus News

We have recently sent out the latest copy of the Forvus Newsletter, **Forvus News**. Each copy is lovingly hand-crafted by the worker elves in the Sales Department from the finest gold leaf (oh, all right then, Anne and Suzanne edit it then send it to our printers). Hopefully you have received your copy by now, but if you haven't don't despair. A phone call to our Despatch Department (Anne and Suzanne again) on 0171 498 2602 will have several dozen copies winging their way to you.

Steve Flack

stevef@forvus.co.uk

Frequently Asked Questions

How can I produce frequencies on string variables?

There is no string frequency facility in SIR/DBMS. The easiest way to produce one is in SIR's SQL+. If you have access to SQL, try the following, after connecting the database

```
select m3cryo count(*) from person
group by m3cryo
```

If you don't have SQL, then you will need to use the report writer in DBMS. For example:

```
retrieval
process cases
. process rec person
.   get vars m3cryo
.   perform procs
. end rec
end case
report filename = temp.rep / sort =
m3cryo
before report
. set grandtot (0)
break level 1, m3cryo
. initial block
.   set count (0)
. detail block
.   compute count = count + 1
. at end block
.   write m3cryo 20t count
.   compute grandtot = grandtot +
count
end break level
after report
. write 'Grand total = ' 20t grandtot
end report
```

This won't be pretty, but it should work and you could easily make it prettier.

Kathy Brooks

Trouble with Missing Values and Date Vars?

Some days ago Jacob Mohrs asked my advice about 'strange' behaviour of his PQL retrieval. Certain dates were declared as MISSING VALUES, but when these dates were read in, they were not treated as missing values. To my shame, I did not understand what was going on. I thought Jacob had found a bug, and so I sent an SPR to SIR Oz about it. A prompt and accurate reply from David Baxter explained everything. As the treatment of DATE VARS (and TIME VARS as well) in PQL is more subtle than you may surmise from the manuals, I'll try to describe the situation. So here is nothing original by me; but I think it is worthwhile to refresh the memories of some of you (including moi). Here goes.

In the first place, DATE VARS have two representations. The one which I will call the 'phenotype' is the string representation. This is the representation you normally use when reading into, and assigning to, a DATE VAR. The way the string is decoded is given in the date format pattern which is specified when the DATE VAR is declared, or in the input format. The second representation of a date, which I will call its 'genotype', is the INTEGER*4 representation. This representation is used by SIR for storing dates. This internal representation implies that MISSING1, MISSING2, MISSING3 and UNDEFINED for a DATE VAR take the four greatest possible values for an INTEGER*4: 2147483644, 2147483645, 2147483646 and 2147483647. The subtlety in using DATE VARS has to do with the way a date string is read. If you read a date using a date format (e.g. "(D'DDMMYY)"), the string read will be converted immediately (that is, before it is stored into the destination variable) into its genotype representation. This representation of the date just read will be matched against the internally stored MISSING VALUES, which are also in genotype representation.

But... if you read a date using a string format specifier (e.g. "(A6)"), the string will not be converted immediately! The string value will be matched against the string values which have been declared as MISSING VALUES for your date variable. (The string read will be converted afterwards, when it is stored into the destination variable.) I didn't bother to cough up a sample program because David Baxter did. In his program, David doesn't actually read dates from a file. He simulates reading dates with a string format by just assigning a string to a DATE VAR. He simulates reading dates with a date format by feeding a string into the CDATE function. Reading a string with a date format specifier may be considered to be virtually just that: reading a

string and feeding it immediately into the CDATE function.

```
program debug | written by David
Baxter
. date birthday ('ddmmyy')
. missing values birthday ('None'
'N/A' '211161')
. write [misnum(birthday)]
. compute birthday = 'None' | stores
missing 1
. write [misnum(birthday)]
. compute birthday = 'N/A' | stores
missing 2
. write [misnum(birthday)]
. compute birthday = '211161' | stores
missing 3
. write [misnum(birthday)]
. compute birthday =
cdate('211161','ddmmyy') | the cdate
function returns a number
. write [misnum(birthday)] birthday
. compute birthday =

datec(cdate('211161','ddmmyy'),'ddmmy
y')
| stores missing #3
. write [misnum(birthday)] birthday
. compute birthday = 138465
| store a valid date
. write [misnum(birthday)] birthday
end program
```

This program will produce the following output:

```
Start program translation.
Start program execution.
0
1
2
3
* 211161
3 *****
* 211161
End program execution.
```

Niels Veldhuijzen

SIR UK User Group Committee Members 1996/97

Randy Banks

British Household Panel Survey
University of Essex
Wivenhoe Park
Colchester CO4 3SQ
Tel: 01206 873067
Fax: 01206 873151
email: randy@essex.ac.uk

Hilary Beedham

Economic and Social Research Council
Essex University
Wivenhoe Park
Colchester CO4 3SQ
Tel: 01206 872570
Fax: 01206 872003
email: beedh@essex.ac.uk

Karen Brannen

Centre for Educational Sociology
University of Edinburgh
7 Buccleugh Place
Edinburgh EH8 9LW
Tel: 0131 650 4203
Fax: 0131 668 3263
email: K.Brannen@ed.ac.uk

Kathy Brooks

Forvus
53 Clapham Common
South Side
London SW4 9BX
Tel: 0171 498 2602
Fax: 0171 498 1939
email: kathy@forvus.co.uk

Dave Doulton

University of Southampton
Computing Services
Highfield
Southampton SO17 1BJ
Tel: 01703 593541
Fax: 01703 593939
email: D.C.Doulton@soton.ac.uk

Toni Moulin

You can email the whole committee by addressing your message to **sug.comm@essex.ac.uk**

BBC, C307

Woodlands
80 Wood Lane
London W12 0TT
Tel: 0181 225 7910
Fax: 0181 743 0906
email: Toni.Moulin@bbc.co.uk

Charlie Owen

Thomas Coram Research Unit
Institute of Education
27 Woburn Square
London WC1H 0AA
Tel: 0171 612 6942
Fax: 0171 612 6927
email: Owen@ioe.ac.uk

Peter Ritchie

Institute of Occupational Medicine
8 Roxburgh Place
Edinburgh EH8 9SU
Tel: 0131 667 5131
Fax: 0131 667 0136
email: PJ_Ritchie@iomhq.org.uk

Michael Staley

Office for National Statistics
1 Drummond Gate
London SW1V 2QQ
Tel: 0171 533 5346
Fax: 0171 533 5300
email: Michael.Staley@ons.gov.uk

Barbara Stowe/Bill Powton

Department for Education
Mowden Hall
Staindrop Road
Darlington DL3 9BG
Tel: 01325 392 313/445
Fax: 01325 392989