

FORTRAN FORUMS 81

Fortran Forums were held in London and Edinburgh on October 12 and 14 1981 respectively, taking advantage of the presence in the UK of several members of the US Fortran committee. Some of them had been attending an ISO SC5 meeting at Windsor the previous week.

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Text of quarter-page announcement in Computing newspaper of 17 September 1981

FORTRAN FORUM 81

Monday 12th October 1981

10.00-17.00

Institute of Education, 20 Bedford Way, London WC1

FORTRAN 77 is becoming accepted and used by the Fortran user community and most computer manufacturers have at least one FORTRAN 77 compiler available. The committee responsible for Fortran standards, ANSI X3J3, has already turned its attention to the next standard, currently dubbed FORTRAN 8X, and work is well advanced towards a definition. Although compatibility with FORTRAN 77 will be maintained, the new standard is likely to be radically different from current Fortran in structure, scope and range of applications.

FORTRAN FORUM 81 has been organised to provide an important opportunity for UK users to hear an outline of X3J3's proposals and to make its views known to the committee. The Forum will be divided into two parts, the first reviewing users' experience with FORTRAN 77 and the second outlining and discussing FORTRAN 8X. Presentations will be made by a number of X3J3 members as well as experts from the user community.

The Forum will be of significant interest to anyone involved in Fortran programming, whether as a user, compiler writer or manager, during the next decade.

Note: A similar event will be held in Edinburgh on Wednesday 14th October 1981. Details may be obtained from Mrs M. Maclean, Program Library Unit, University of Edinburgh, Room 2258, King's Buildings, Mayfield Road, Edinburgh EH9 3JZ (tel: 031-667 1081 X2973).

Cost, including buffet lunch:- BCS Members: £15
Non-BCS Members: £18

Institutional members may send any number of delegates at the BCS member rate.

Please complete the tear-off form below and return to:
**Mr J M Roberts-Jones (Treasurer, BCS Fortran Spec. Group),
88 Beatrice Street, Bootle, Merseyside L20 2EH**

REGISTRATION FORM - FORTRAN FORUM 81

Please reserve places for the following:

Name

Address

.....

BCS Membership No Fee.....

Payment enclosed (cheques payable to BCS Fortran Specialist Group

Tick if receipt required

SignedDate

Edinburgh Announcement

FORTRAN FORUM 81

A public Fortran Forum will be held in Edinburgh on October 14. This, and a similar event in London the same week, have been organized to give the UK user population an opportunity to hear an outline of the American Standards Fortran Committee's proposals for the next revision of Fortran and to make its views, both on Fortran 77 and on the proposals, known to the committee. Presentations will be given by seven members of the ANSI Fortran Committee and by local speakers and there will be adequate time for discussion. The Forum will be of interest to anyone involved in Fortran programming in any way during the next decade.

The Forum will be held in room D12, Heriot-Watt University, Chambers Street, Edinburgh. Coffee will be available from 10.00 am. The morning session, on Fortran 77, will be from 10.20 am to 12.15 pm; the afternoon session, on Fortran 8X, will be from 1.30 pm to 5.30 pm.

There is no charge for the Forum and participants may attend without notice, although it would be helpful to the organizers if they would register their names with Mrs M. Maclean, Program Library Unit, King's Buildings, Edinburgh EH9 3JZ (tel 031-667 1081 ext 2972). Further details of the programme may be obtained from Mrs Maclean.

The Edinburgh Forum is organized jointly by the Department of Computer Science, Heriot-Watt University and the Program Library Unit, University of Edinburgh.

BCS - FORTRAN SPECIALIST GROUP

F O R T R A N F O R U M 8 1 - PROVISIONAL PROGRAMME

Monday 12th October 1981

UNIVERSITY OF LONDON INSTITUTE OF EDUCATION

20 Bedford Way London WC1

09.45 Registration and Coffee (Jeffery Hall Foyer)
10.20 Welcome and Introduction

FORTRAN 77

10.25 Development of the Fortran 77 Standard J.C. Adams
10.35 Fortran 77: Safety, Conformity and User Convenience F.E. Holberton
10.55 Fortran 77 from the implementor's viewpoint J. Larmouth
11.15 Panel Discussion (all morning speakers)
12.15 Lunch (Committee Rooms 1 & 2)

FORTRAN 8X

13.30 Development of the Fortran 8X Standard J.C. Adams
13.40 Proposals for the core language J.T. Martin &
J.L. Wagener
14.20 The transition from Fortran 77 to Core Fortran L.P. Meissner
14.40 Numeric precision proposals J.K. Reid
15.00 Panel discussion (all above speakers)
15.30 Tea (Jeffery Hall Foyer)
15.50 Event handling R.W. Signor
16.10 Array processing A. Wilson &
R. Hendrickson
16.30 Panel discussion (all speakers)
17.00 Close

FORTRAN FORUM 81

Room D12, Heriot-Watt University, Chambers Street, Edinburgh.

10.00 Coffee
10.20 Welcome and introduction T. Johnson

Fortran 77

10.30 Development of the Fortran 77 Standard J.C. Adams
10.40 Fortran 77: Safety, Conformity and User Convenience F.E. Holberton
11.00 Fortran 77 from the implementor's viewpoint G.E. Millard
11.20 Fortran 77 from the user's viewpoint B. Paulson
11.40 Panel discussion
12.15 Lunch

Fortran 8X

1.30 Development of the Fortran 8X Standard J.C. Adams
1.40 Proposals for the core language J.T. Martin &
J.L. Wagener
2.20 The transition from Fortran 77 to Core Fortran L.P. Meissner
2.40 Event handling R.W. Signor
3.00 Panel discussion
3.30 Tea
3.50 Array processing A. Wilson &
R. Hendrickson
4.30 Panel discussion
5.00 Close

AFFILIATION OF SPEAKERS

Jeanne C. Adams	National Center For Atmospheric Research, Boulder, CO; Chairman, ANSI X3J3 committee.
Richard A. Hendrickson	Cray Research Inc.. Mendota Heights, MN.
F. Elizabeth Holberton	National Bureau of Standards, Washington, DC.
T. Johnson†	Vice-chancellor, Heriot-Watt University.
John Larmouth*	University of Salford.
Jeanne T. Martin	Lawrence Livermore National Laboratory, Livermore, CA.
Loren P. Meissner	Lawrence Berkeley Laboratory, Berkeley, CA: Secretary ANSI X3J3 committee.
Geoffrey E. Millard†	Edinburgh Regional Computing Centre.
B. Paulson†	Mathematics Department, University of Salford, Salford.
John K. Reid*	AERE, Harwell.
Richard W. Signor	General Electric Company, Bridgeport, CT.
Jerrold L. Wagener	AMOCO Production Research, Tulsa, OK.
Alan Wilson	ICL, London.

* London only

† Edinburgh only

DELEGATES AT THE LONDON FORUM

British Gas Corporation:	Mr. M. Goldwater
	Mr. J.A. Yonge
British Petroleum Co. Ltd:	Mr. M.R. Dolbear
City University:	Mrs. S. Jones
Civil Aviation Authority:	Mr. L.F. Bennett
Computer Automation (CAI Ltd.):	Dr. R.G. Bushell
Computer System Portability:	Mr. W.S. Hilder
Co-operative Insurance Society Ltd:	Mr. G.B. Hey
Daresbury Laboratory:	Dr. J.N. Woulds
Data General Ltd:	Mr. P.F. van Peborgh
European Space Agency:	Mr. P. Jones
	Mr. A. Munroe
Sir William Halcrow & Partners:	Mr. D. Williams
Heriot-Watt University:	Dr. D.H. Marwick
Honeywell Information Systems Ltd:	Mr. G.A. Ruscoe
Imperial Chemical Industries Ltd:	Mr. J.C. Grogan
	Dr. D.R. Mason
International Computers Ltd:	Mr. G. Ashley
	Mr. D.W. Creasy
	Mr. P. Galloway
	Mr. R. Gostick
	Mr. D. Maisey
Imperial College, London:	Mr. G.L. Horsnell
	Mr. E.B. James
	Mr. P. Whitehead
Institute of Oceanographic Sciences:	Dr. V. Bentley
IPC Magazines Ltd:	Mr. D. Hardill
Leicester Polytechnic:	Mr. R.C. Hutty
Logica Ltd:	Dr. J.D. Levis
Marconi Avionics Ltd:	Mr. A. Whittaker
Midland Road Construction Unit:	Mr. S.M. Cleary
Ministry of Defence (PE):	Mr. T.L. van Raalte
NIBSC:	Mr. L.R. Rice
Ove Arup & Partners:	Mr. M.J. Appleford
Pentagram Software Products Ltd:	Mr. G.M. Arnold
Philips Industries Ltd:	Mr. P.D. Bond
	Dr. A.W.C. Sambles
The Plessey Company Ltd:	Mr. V. Gaskill
Provincial Insurance Co. Ltd:	Mr. K.M. Moyle
Prudential Assurance Co. Ltd:	Mr. D. Jebson
Pullman Kellogg Ltd:	Mr. M.K. Leeds
Queen-Elizabeth College, London:	Mr. B.L. Meek
Queen's University, Belfast:	Miss C. Jackson
Redbridge London Borough Council:	Mr. O. Branley
Rolls-Royce Ltd:	Mr. D.J. Holmes
Rothamsted Experimental Station:	Mr. K. Bicknell
	Mr. P. Verrier
Rutherford Laboratory:	Dr. J.S. Hutton
	Dr. R. Maybury
	Dr. T.G. Pett
	Mr. R.E. Thomas
	Miss H. Watson
Scott Wilson Kirkpatrick L Partners:	Anon
	Anon
Seismograph Service Ltd:	Dr. D.M. Scales

South-west Universities RCC, Bath:

Strachan & Henshaw:

United Kingdom Atomic Energy Authority:

University College, Cardiff:

University of Birmingham:

University of Durham:

University of Kent:

University of Leicester:

University of London Computer Centre:

University of Manchester RCO:

University of Salford:

University of Sussex:

University of York:

University of Newcastle Upon Tyne:

HPAC Ltd:

Mr. C.J. Higley

Miss A. Rogers

Mr. J.R. Taylor

Mr. C.K. Mackinnon

Dr. J.C. Baldwin

Dr. J.L. Schonfelder

Mr. M. Munroe

Dr. E.B. Spratt

Mr. D.L. Fisher

Mr. C. Lazou

Mr. S.A. Dunne

Mr. A.P. Hayes

Mr. K. Fielding

Dr. J. Ashcroft

Dr. D. Bailey

Mr. R.W. Paulson

Mr. D.M. Vallance

Anon

Mr. D.E. Newell

Mrs. E. Aylmer-Kelly

Mrs. M.M. Hindmarsh

Mr. T. Ward

EDINBURGH FORTRAN FORUM 14 October 1981 Participants

Scottish Crop Research Institute, Pentlandsfield Computing Service, Glasgow University British Shipbuilders Ltd, Glasgow	Robin Giles Rod Ackland & 3 Others Messrs J. Dick I. McGowan M. Macrae
Computing Department, Paisley College of Technology	Messrs Margasoo Wm Little
Weir Group Management Systems Ltd, Glasgow Computing Centre, Aberdeen University	J. Beck J.S. Dun & 2 Others
2 Jubilee Road, Walkerburn, Peebleshire BP Chemicals Ltd, Grangemouth	Martin Lowe Messrs Keith Wagstaff Neil Benton Ian Parker
Moray House Computer Centre, Edinburgh Newcastle Upon Tyne Computing Centre	C.H. Whitfield Dr Peter Kemp Martin Lamont & 1 Other
Tyne & Wear Engineering Department, Newcastle Computing Services, University of Sheffield Computing Unit, University of Stirling	H.E. Smart Mr Ellis Mr Hazeldine Ms Margaret Giles
Computer Centre, Dundee University SSHA, 21 Palmerston Place, Edinburgh	Mrs M. Davidson Dr Mary Dale Mrs Margaret Cramond Miss Ann Reid
9 Leven Terrace, Edinburgh Aberdeen College of Education SCRE, 15 St John Street, Edinburgh Scottish Widows, DP Department, Edinburgh Department of Astronomy, Royal Observatory Poultry Research, Bush	Ms Alison Campbell Ms A. Kennedy, N.M. Smart Graham Thorpe Mr Sharp A.C. Davenhall, D. Tudhope Dr J Filshie Messrs J.K. Wight T.B. Anderson
School of Agriculture, King's Buildings ARCUS	Mr C. Rowland I. Craigie A. Mann
ERCC	John Blair-Fish A.D. Nolan Geoff Stacey T. Hinxman Ms Christine Rees
PLU	Dr J. Read Brian Fletcher Craig Stott John Welford Yates
I.S.D. Trinity Park House, Edinburgh ICI, Runcorn, Cheshire Strathclyde County Council	Frank Perris R.I. Campbell Moira McKenzie D. Taylor Mr G. Ramsay
Tyne & Wear Planning Department MESL Newbridge	