



Members' Meetings for 1994/95

Wednesday 11 May (Full Day)	Annual Conference & AGM Outsourcing of I.T. (Barbican Centre)
Wednesday 14 Sept	Joint Meeting with BCS Security Committee
Tuesday 11 October (Full Day)	Discussion Group (Developing a Strategy for Computer Audit)
Tuesday 22 November	Client Server Systems v. Peer to Peer Networking
Tuesday 13 December (Full Day)	Discussion Group (Controls in Electronic Payment Systems)
1995	
Tuesday 17 January (16.00 Start)	Joint Meeting with IIA Business Process Re-engineering & Its Impact on Internal Control
Tuesday 14 February (Full Day)	Discussion Group (Runaway Systems)
Tuesday 14 March	Joint Meeting with ICAEW (Unix Security & Add-on Products)
Tuesday 4 April	Annual Debate with the EDPAA

Meetings are usually held at the Royal Institute of Public Health & Hygiene, 28 Portland Place, London W1N 4DE (Ground floor, Lecture Room 1), except as noted above. For last minute confirmation, telephone 071-580 2731 or 071-636 1208. Meetings start at 4.00 for 4.30pm, unless otherwise stated. Tea and coffee are available before each meeting; sandwiches and refreshments afterwards.

Details of discussions groups are forwarded directly to members as part of the quarterly mailing. Please contact Bill Barton on 071 872 6720, or Steve Pooley on 0580 891036, for further information.

For details of the annual conference please contact Paul Howitt on 0992 644250.

EDITORIAL

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LETTERS TO THE EDITOR

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This edition of your Journal will reach you during early Spring, a time when many of us will be planning Summer holidays, wondering why last year's wardrobe needs substantial re-engineering before it is ready to be implemented, or cursing the Inland Revenue for their overoptimistic view of your projected earnings. It is also the last issue before the Annual General Meeting and Conference, the highest profile event in our calendar. Although there have been fine conferences this year, and there are still more to come, our theme this year of 'outsourcing' is without question the most contentious and current issue in IT (and auditing) so far in the 1990's. Not a week passes without news of a significant gain by the outsourcing consultancies or an equally significant scandal caused by overenthusiastic management failing to consider all the potential risks.

Especially in the public sector, auditors and IT specialists have been perceived as prime targets for contract work. 'Economy' may be improved by reducing the numbers of personnel, but as any trainee auditor realises, without 'Effectiveness' and 'Efficiency' internal control systems will not operate to a satisfactory level. The full ramifications of outsourcing IT are only now being uncovered. In the commercial environment, there is not the culture of sharing resources and expertise that prevails in the public sector. So software houses who have sold their products to a government department (often with substantial discounts) may not be willing to accept a competitor having control over their source code by taking over the IT facilities of the customer. Similarly, it may look sensible for organizations to pass their 'factory' processing to facilities management companies, but how will the customers of the Inland Revenue feel if details of their income, address and other personal information is used to develop a marketing database which currently only exists in the fantasies of marketing consultants. Obviously this has not happened yet, and such a contract would have confidentiality clauses to guard against direct use, but there are already free market gurus who would wholeheartedly support such privatization of information.

The message is that not only jobs and income are at stake here, it is also the fundamental way that businesses and public sector organizations manage their enterprises. This subject must be fully debated; attending your conference will be the first step towards ensuring you and your employers understand the full picture, not just the 'noise' created by interested players.

* * *

It is good to be able to report substantial interest in setting up a Bulletin Board Service (BBS) for internal and computer auditors. It was even better that the response came through my e-mail, not by post. This project now needs some time and thought to be invested so we can build on the momentum. The specific needs are some advice on structure, design, contents and support. Technical advice can be obtained through the university network but structuring and designing a user oriented and accessible BBS will need commitment from members who have already worked in this field. An initial meeting is planned for late May, early June 1994. Please will all interested members contact me (electronically, snail mail or voice comms). We can then start making progress to link ourselves to the information highway.

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CASG CASG Member Services Questionnaire

Please return this completed questionnaire to :-

Nigel Smith
7 Parkfields
Welwyn Garden City
Herts AL8 6EE

Meetings	Annual Conference	A.G.M.	Discussion Groups	Normal Meetings
Do you attend the CASG meetings	Yes / No	Yes / No	Yes / No	Yes / No
If Yes, how frequently				
If No, why not?				
Do you like joint meetings (e.g. with the IIA and EDPAA)?	Yes / No	----- -----	----- -----	Yes / No
Is the meetings location convenient?	Yes / No	Yes / No	Yes / No	Yes / No
If No, where would be more convenient for you?				
Are the meetings useful?	Yes / No	Yes / No	Yes / No	Yes / No
Do you have any comments regarding :- Frequency (2nd Tuesday of each month) Start time (16.00 for 16.30) Duration (approx 2 hours) Format Refreshments (after the meeting) Other issues				
Do you have any suggestions for future topics (please state topic)				

Discounts and Services	
Are you aware of the publications discounts	Yes / No
Do you ever use the discounts we negotiate for attendance at non-CASG conferences	Yes / No
Can you suggest services that we could offer	

CASG CASG Member Services Questionnaire

The Journal	
Do you read the Journal?	Yes / No
All of it?	Yes / No
Only :-	
The Editorial?	Yes / No
The Chairman's Corner?	Yes / No
Book Reviews?	Yes / No
Feature Articles?	Yes / No
Job Advertisements?	Yes / No
Other (please state)	
Which section(s) do you find most useful?	
Which section(s) do you find least useful?	
Are there any topics you would like to see included? Please state	

Publications	
Have you purchased any of the group's publications	Yes / No
If Yes, please state titles	
How do you rate the publications purchased (e.g. Very good, good, poor, useless, other polite comments)	
Are there any topics you would like to see in print?	

Are you willing and able to help on any aspect of the Group's activities? **Yes / No**
 If yes, please indicate area.

Thank you for completing the questionnaire. If you would like to be entered for the **FREE** draw please enter your name and address below

.....



presents

**OUTSOURCING OF
INFORMATION
TECHNOLOGY**
(A CONTROL AND
AUDIT PERSPECTIVE)

Wednesday 11th May 1994

at

THE BARBICAN CENTRE
SILK STREET
LONDON E2Y 6DS

A one day conference on the management, control and audit aspects of outsourcing of Information Technology.

Enquiries to: Paul Howitt, Tesco Stores Ltd, Valley House,
Crossbrook Street, Cheshunt EN8 8JT.
Telephone: 0992 644250 or 0920 822342

CONFERENCE PROGRAMME

11th May 1994

0845	Delegate Registration - Coffee	
0915	Chairman's introduction	John Mitchell CASG Chairman
0930	The Business Case	John McLintock McLintock Ltd
1030	Coffee	
1100	The Performance Indicators	Andrew Hiles Kingswell Partnership
1200	Lunch	
1330	The Tender Process	Andrew Giles Cambridgeshire County Council
1430	Tea	
1500	The Audit Perspective	Tarlok Teji Tesco Stores Ltd
1600	Panel Session	All Speakers
1615	Close	
1630	The Annual General Meeting of the Computer Audit Specialist Group for 1994 will take place in the lecture hall directly after the conference (attendance at the AGM is free to all CASG members and does not require attendance at the conference).	

REGISTRATION PROCEDURE

The fee for the conference, which includes conference papers, coffee, lunch and tea is £175 (including VAT) for members of the following organisations:

BCS, CASG, CIPFA, EDPAA, IIA, ICAEW IT Faculty Members

The fee for non-members is £250 (including VAT)*

* The non-member fee includes the cost of Corporate membership of the Computer Audit Specialist Group for the season 1994/95, so please also complete the membership form on the rear of the conference application form. Individual non-members will be accepted at the member rate if they also enrol as CASG members at the same time, using the membership form on the rear of the conference application form.

**OUTSOURCING OF
INFORMATION
TECHNOLOGY**
(A CONTROL AND
AUDIT PERSPECTIVE)

This is the annual conference of the Computer Audit Specialist Group of the British Computer Society.

THE CONFERENCE

The move towards concentrating on core business activities has made many organisations consider transferring some of their service functions to outside bodies. This, together with a general concern over costs has led them to consider outsourcing their I.T. functions. In other cases, external pressures, such as statutory requirements for market testing and compulsory competitive tendering has forced public service organisations to follow a similar path. The move to outsourcing is not always straightforward and many obstacles may be encountered along the way.

This conference will address the many issues faced by the organisations in such a move. Management need to consider the business case; I.T. staff will be concerned as to how they can put together a competitive bid for their own jobs; Computer Auditors will need to consider how objective judgements can be reached in what may be an emotive atmosphere; Users will be concerned to ensure that they do not receive a degraded service.

This conference will bring together professionals from all sides of the business so that an overall perspective on the issues will be obtained.

WHO SHOULD ATTEND?

Senior management with a responsibility for value for money; I.T. management involved in providing a high level of service in a competitive environment; Computer Auditors who are concerned with business controls; Users worried about the impact of outsourcing on their daily activities.

Please complete the attached application form and send it off today

ENQUIRIES

Telephone enquiries may be made to Paul Howitt on 0992 644250 or 0920 822342.



CONFERENCE REGISTRATION

**OUTSOURCING OF
INFORMATION
TECHNOLOGY**
(A CONTROL AND AUDIT PERSPECTIVE)
Wednesday 11th May 1994

I enclose a cheque for £..... being fees for delegates (if you are paying the non-member fee please also complete the CASG membership application form over page as the non-member fee includes complimentary membership of the CASG for one year)

Please register the following bookings:

1. Name
Position
Company
Address

Telephone
BCS, CASG, CIPFA, EDPAA, IIA, or ICAEW IT Faculty (delete as appropriate)
Membership Number

CASG Corporate Members only may register up to 4 additional delegates at the reduced member rate.

2. Name
Position
3. Name
Position
4. Name
Position
5. Name
Position

* Please indicate any special dietary requirements

Application forms and cheques made payable to "BLS/CASG", should be sent to: A J Thomas, 3 Kings Court, The Maltings, Great Dunmow, Essex CM6 1UX.

Joining instructions will be sent to each delegate at the address given above.

Chairman's Corner

John Mitchell

Yes, it's that time of the year again when I come begging for you to get involved in the running of the Group. We always need new blood as professional and personal duties often leave us with a few holes to fill in the committee structure each year. Next season for example, I know that we will need a new Treasurer, as Fred Thomas, who has been with the Group since its inception in 1965, has decided to hang up his quill pen and abacus and retire. Fred will be a great loss to the Group and I fear for our financial well being without him at the rudder, but someone out there must be willing to give it a go.

Ideally we would like a qualified accountant, of whatever flavour, and someone who is also a member of the BCS. Now none of these requirements is mandatory, but we do insist on the capability to be able to do sums, so most computer auditors will have the necessary skills. Elsewhere in the Journal you will find details of our AGM and a nomination form for joining us on your Management Committee. Why not take the opportunity to advance your career by doing so? Also, think of the perks. Free attendance at our conference, as well as at the discussion days. That's worth a couple of hundred pounds each year and we only expect you to attend about half a dozen committee meetings which are held in central London. Come on, don't be shy, fill in the form and become involved!

* * * *

You will also find some more publicity material for our conference. The theme this year is outsourcing of information technology and its certain to be a worthwhile day. We have four top rate speakers; each

examining a different aspect of the subject. Support the conference and increase your organisation's effectiveness. What better value for money will you find? I look forward to seeing many of you there.

* * * *

Elsewhere in this edition you will find the survey form that I warned you about in my last column. In order to entice you to complete it and return it to us we are going to have a prize draw, with a £40 wine voucher going to one of the lucky respondents. We know that we should not have to bribe you to give us your views, but there seems to be a certain reluctance from you to do so. Perhaps it is because you are so fed up with making so many recommendations to your clients. Come on, indulge us. We can take it.

* * * *

A few weeks ago I took part in a debate between our sister organisation, the EDPAA, and the Institute of Internal Auditors. The motion was that "this house believes that CISA and QiCa are compatible qualifications". In view of my own views and some of the correspondence in this Journal on the subject of qualifications you may be interested to know that the motion was carried by a substantial majority!

I hope to see you either at the conference, or at the AGM. Please support the Group by taking part. Remember, being passive can be just as deadly as being active. So if you have the choice, try and shape things the way that you would like them to be, rather than accept them the way that they are.

Editorial continued . . .

Although it is much too early for valedictory editorials, there is sufficient evidence in this issue for readers to infer that the group is about to go through substantial change. Two of the longest serving members of your committee have made the decision to step down, and other spaces (including, it should be emphatically pointed out, the editor's chair!) will be up for election at the AGM. I don't quite know how the new committee will look, but if it's anywhere near as committed to its membership or as rewarding to work with as the present one, it will continue to be the envy of many professional groups. Our 'retiring' colleagues have made CASG solvent, effective, and

great fun. And miraculously, they have even managed to make your editor achieve deadlines and maintain financial control of the journal.

Change is going to affect your journal too. With fast increasing revenue, we will be able to make some upgrades to the production and printing side next year. Any member who would like to become involved with the production side of the journal or indeed any of the editorial functions, please contact me.

ROB MELVILLE

CASG CASG Member Services Questionnaire

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Can you suggest services that we could offer	

Protecting Networks from Computer Viruses Solving the Unsolvable

Dr. Jan Hruska

*Technical Director, Sophos Plc
21 The Quadrant, Abingdon OX14 3YS, England
Tel 0235 559933, Fax 0235 559935*



INTRODUCTION

Most PCs in commercial use today are networked. Increased productivity resulting from an easy exchange of information has significant benefits. Unfortunately, the ease of data interchange is not limited to legitimate data; it also enables easy spread of computer viruses. This paper will examine some aspects of virus spread on networks and suggest practical solutions to the problem. InterCheck client-server approach to virus detection is explained.

HOW DO VIRUSES SPREAD ON NETWORKS?

Networks are used to facilitate the exchange of data between users. This invariably involves access to common data areas and most networks allow the definition of rules which determine read/write privileges for each user or a user group. On most networks those access privileges are decided by the server operating system, and the workstation has no means of altering them.

The fundamental requirement for a virus to be able to infect an area on the server is for it to have the write and/or create privileges for that area. Parasitic viruses

need write privileges in order to infect existing files by modifying them, while companion viruses require create privileges in order to 'infect' existing files by creating companions which execute in preference to existing files (e.g. COM files executing in preference to EXE files under DOS).

The virus can spread between workstations if it is able to infect and executable shared between two or more users. The more users share the executable, the more widespread the virus can become. If a common executable (e.g. LOGIN on NetWare) becomes infected, the virus can spread to most workstations on the network within minutes.

On an (imaginary) network where all users have read-only privileges, no possibility to create new files, write to existing ones or change the privilege settings, virus spread is impossible. Any virus resident on a workstation will fail either to change an executable (if it is a parasitic virus) or create a new executable (if it is a companion virus).

Unfortunately, a large majority of networks would be useless if such a set of access control rules were to be implemented. Write/create access is required for

at least some areas for some users, which enables viruses to spread between workstations.

Furthermore, at least one user on the network (e.g. SUPERVISOR on NetWare) is likely to have write/create access to all areas on the network in order to administer the network. Any virus resident on the workstation when such a privileged user logs in, will have unlimited access to all areas of the network. Large scale virus infections can result.

MINIMISING THE RISK

The successful minimisation of the risk from virus infections on networks involves a number of elements, of which two are essential:

- Minimising write/create access rights
- Early virus detection

MINIMISING WRITE/CREATE ACCESS RIGHTS

As it was pointed out above, the read-only network is completely secure, but (in the majority of cases) also completely unusable. Since write/create access rights cannot be removed from all users, one has to establish which users have the need for write/create rights and to which areas. Any unnecessary privileges must be removed.

Server areas which must have read-only privileges for all but a very small group of users include the areas where system executables are held.

The existence of users with write/create access rights will leave security gaps in the network, but any virus attack will be confined to a minimum number of users. A specific potential security loophole which has to be addressed is the use of the network when logged in as the superuser.

EARLY DETECTION

Since in practice one cannot create a virus-proof network, it is important that efficient virus detection is implemented. The earlier that a virus is discovered and dealt with, the less chance it has to spread. The detection should preferably happen at the workstation, trapping the virus before it has migrated onto the network.

Virus detection software is the most commonly used tool to discover viruses.

ANTI-VIRUS SOFTWARE TYPES

Two types of anti-virus software are used: virus-specific and virus-non-specific.

VIRUS-SPECIFIC SOFTWARE

A virus-specific program (usually known as a scanner) relies on the knowledge of known virus characteristics. When a new virus appears in the wild, it is analysed, and its characteristics recorded. The scanner examines all executables on a disk, including the operating system and the bootstrap sector(s), and compares their contents with the characteristics of known viruses.

This type of software can only discover viruses that it 'knows' about and as such has to be continually updated with new information, as new viruses appear.

VIRUS NON-SPECIFIC SOFTWARE

Virus-non-specific or checksumming software relies on the calculation of a checksum of every critical executable on the system, followed by periodic recalculations in order to verify that the checksum has not changed. If a virus infects an executable, it causes a change which will result in a completely different checksum (providing a strong checksumming algorithm is used).

This type of software is reactive rather than proactive, in that a virus attack will be detected after it happens. Checksumming software also relies on the fact that the executables are 'clean' before the initial checksumming is performed. This can be ensured by using virus-specific scanning software to check the system for the presence of known viruses.

The checksumming approach is the only known method which will detect all viruses, present and future, with absolute certainty. This makes it inherently desirable as a long-term anti-virus strategy in any organisation.

The main problem in using checksumming software on networks is deciding which areas of the file server should be fingerprinted and checked regularly. On NetWare it is recommended that all executables in the \PUBLIC, \SYSTEM and \LOGIN subdirectories containing applications software; these should be fingerprinted as well.

WHERE SHOULD ANTI-VIRUS SOFTWARE BE BASED?

Anti-virus software can be either DOS-based or server-based. DOS-based software is less secure than server-based software and can be used to check both workstations and the server areas. Server-based software can be used to check server areas and in the case of Sophos InterCheck, also the workstations.

When looking for viruses on networks, one has to check the server areas as well as workstations. Since most workstations are DOS-based, special care must

be taken to prevent 'stealth' viruses from concealing their presence if they are memory-resident on the workstation.

DOS-BASED ANTI-VIRUS SOFTWARE

DOS-based anti-virus software can be used to detect viruses on workstations as well as server areas:

Regardless of which type of software is used, proper procedures must be followed to ensure that the machine running anti-virus software does not have any viruses resident in memory. If this is not the case, stealth viruses can use hiding techniques to prevent the software from discovering them. Stealth techniques are not effective if the anti-virus software is run as a process on the file server itself.

SERVER-BASED ANTI-VIRUS SOFTWARE

The use of server-based anti-virus software has several advantages over DOS-based software: virus stealth is not effective, network traffic is minimised and control over the software is centralised.

Most commonly used server-based anti-virus packages are virus-specific scanners. The scanning process can be performed either overnight, minimising the network workload, or as a continuous low priority task.

Server-based virus checking also ensures that the process is not subverted by the presence of stealth viruses, as they are unable to run on the server. Were the server to be checked from an infected workstation with the stealth virus memory-resident, the process would be ineffective. Furthermore, in the case of viruses such as 4K, if the server is scanned from an infected workstation, any files on the server with write access rights would be infected during the checking process as well as reported as clean!

Workstations can also be checked by a server-based scanner by using the proprietary InterCheck technology, which enables true client-server virus detection.

CLIENT-SERVER VIRUS DETECTION

As the number of viruses continues to grow and anti-virus software becomes increasingly more memory and processor intensive, it makes sense to perform virus scanning on the server rather than the DOS workstation.

In addition to providing virus detection on the server, the same server process can be used to virus-check the workstations. This is possible by using InterCheck technology.

Each client maintains a list of authorised programs for that workstation. Any attempt to access an unknown program causes the client to request authorisation from the server. Authorisation is given only after the server has verified that the program is clean.

Once a program has been authorised it can be used without further checking, unless it is modified.

It is inevitable that scanners will become more complex and bigger as the number of viruses grows. File servers do not suffer from the memory restrictions that plague DOS PCs and placing the scanner on the server future-proofs one's anti-virus strategy. InterCheck client-server technology enables the workstation client to remain fixed in size, regardless of the complexity of the server based scanner.

The InterCheck client does not change as new viruses appear, avoiding the need to install constantly changing memory-resident software on workstations, which can result in unreliable systems.

CONCLUSIONS

Most networks are a suitable medium for rapid virus transmission. The dangers of virus infection can be minimised by careful application of write/create privileges to user areas, as well as by using anti-virus software. Server-based anti-virus software is more powerful and more secure than DOS-based software. InterCheck client-server virus detection enables the server scanner to check workstations.

InterCheck and Sophos are trademarks of Sophos Plc. InterCheck technology is covered by UK patent application No. 9322292.5.

CASG

**THE
ANNUAL GENERAL MEETING
OF THE
COMPUTER AUDIT SPECIALIST GROUP
OF
THE BRITISH COMPUTER SOCIETY
WILL BE HELD AT
4.30 PM, WEDNESDAY 11TH MAY 1994
AT
THE BARBICAN CENTRE
SILK STREET, LONDON E2Y 6DS**

AGENDA

1. Approval of the minutes of the AGM held on 12th May 1993
2. Chairman's Report
3. Treasurer's Report
4. Election of Officers
5. Election of Auditor
6. Appointment of Committee
7. Plans for 1994/1995
8. Any Other Business

**The meeting will follow the close of the Annual Conference.
There is no charge for attendance at the AGM which is open to all CASG members
irrespective of whether or not they attend the conference.**

NOMINATIONS FOR THE MANAGEMENT COMMITTEE

As usual at this time, I am asking for nominations for the Group's Management Committee.

We hold about six committee meetings a year at a London location. The meetings start at 5.00 pm and we try to finish them by 7.00 pm. Each committee member is allocated a specific task. The committee is definitely not 'cliquey' and we genuinely welcome new people, new ideas and lots of enthusiasm!

If you would like to discuss any of the committee posts, please contact either John Mitchell (0707 654040), Raghu Iyer (071 236 8000) or any other committee member (their telephone numbers are given at the end of the Journal).

Below is a list of officers and committee members who will be standing for re-election, together with the vacancies. If you fancy a post which is already filled, (including mine!) just put yourself forward and the AGM can vote on it. No-one on the Committee will be put out by such a display of interest! A blank nomination form is printed below for your use. Please return completed forms to Raghu Iyer.

Remember, this is your group and you should use this opportunity to have your say.

John Mitchell

THE PROPOSED MANAGEMENT COMMITTEE FOR 1994/95

Chairman	John Mitchell	Little Heath Services
Secretary	Raghu Iyer	KPGM Peat Marwick McLintock
Treasurer	Vacancy	
Membership Secretary	Jacqui Race	Stock Exchange
Members' Meetings	Alison Webb John Bevan	Alison Webb Associates Audit and Computer Security
Annual Conference	Paul Howitt	Tesco Stores Ltd
Discussion Groups	Steve Pooley Bill Barton	Consultant The Rank Organisation
Marketing and PR	Jarlath Bracken	Zurich Insurance
Journal Editor	Rob Melville	City University Business School
Member Services	Nigel Smith	NJ Associates

**THE BRITISH COMPUTER SOCIETY
COMPUTER AUDIT SPECIALIST GROUP
NOMINATIONS FOR THE 1994/95 COMMITTEE**

Position:

Nominee:

Proposer:

Seconder:

Signature of Nominee agreeing to serve on the Committee

Date

casg

Management Committee

CHAIRMAN	John Mitchell	Little Heath Services	0707 654040
SECRETARY	Raghu Iyer	KPMG Peat Marwick McLintock	071 236 8000
TREASURER	Fred Thomas	Retired Consultant	0371 875457
MEMBERSHIP SECRETARY	Jacqui Race	The Stock Exchange	071 797 3551
MEMBER SERVICES	Nigel Smith	NJ Associates	0707 334421
MONTHLY MEETINGS	John Bevan	Audit and Computer Security Services	0992 582439
	Alison Webb	Independent Consultant	0223 461316
CONFERENCE ORGANISER	Paul Howitt	Tesco Stores Ltd	0992 644250
DISCUSSION GROUPS	Bill Barton Steve Pooley	The Rank Organisation plc Independent Consultant	071 872 6720 0580 891036
MARKETING & PR	Jarlath Bracken	Zurich Insurance	0705 853019
JOURNAL EDITOR	Rob Melville	City University Business School	071 477 8646 SC355@CITY.AC.UK

Member Services

Question: How can you enter a free draw to win a £40 Wine Voucher?

Answer: Fill in the enclosed questionnaire and return it to me a.s.a.p. The prize draw will be made at the AGM on the 11th May 1994.

As part of the process of constantly evaluating the service that the CASG provides for its members, the Management Committee are keen to have your views on a number of issues. To this end they have asked me to conduct a survey.

Please spare a few minutes to complete the questions and return it to the address shown on the bottom of the form. I know it's another * * * * form, but we need to ensure that the members get the best possible benefit from the Group's activities

Don't forget to fill in your name and address before posting it to me.

Thank you in advance for your assistance.

Computer Auditors Don't Need Help

In the Winter edition of the Journal I wrote an article under the above title. Perhaps I was being over optimistic, but I am sorry to say that the article didn't evoke any response.

Now I really cannot believe that such a dynamic group of professionals can find their work so mundane that it is not worth putting pen to paper so that others can learn from your experiences.

So once again, please put pen (or printer) to paper and send me those items on any computer audit related topics that interest you. It may be a request for help or some helpful tips for others.

I promise to read all that you send me and reproduce it in the next edition of the Journal. I will respect anonymity if requested!!!!

I look forward to hearing from you.

Publications and Services

The reaction to the publications list given in the Winter edition of the Journal has meant that we no longer have any copies of the *Buying Payroll Software*.

The *AS/400 Auditing Handbook* is selling well. Please contact me if you want any further information on publications and services.

Please note that the BCS Librarian at the **Institution of Electrical Engineers** is now **Helen Blake**.

The telephone number is 071 240 1871 ext. 310.

Nigel Smith - 0707 334421
7 Parkfields, Welwyn Garden City, Herts AL8 6EE

ADVERTISING IN THE JOURNAL

Reach the top professionals in the field of EDP Audit, Control and Security by advertising in the CASG Journal.

Our advertising policy allows advertising for any security and control related products, services and jobs.

For more information, phone Rob Melville on 071 477 8646.

Guidelines for Potential Authors

The Journal publishes two types of article: refereed and invited. Refereed articles should be technically oriented, and based on current or future issues related to computer audit, security or control. This type of article will be reviewed by at least one member of the editorial panel (anonymously). If published, it will be identified as a refereed paper.

An invited article need not be technical or overly academic (even Computer Auditors have a sense of humour!). In fact it need not even be 'invited'. Submission without invitation is encouraged and although this may lead to severe sub-editing by the Editor, submission will virtually guarantee publication.

We also invite members to volunteer for book, product and course reviews (anonymously if required).

Why not call Rob Melville at CUBS (071 477 8646) to discuss how you can get your name in print?



The British Computer Society

PLEASE RETURN TO
Mr A J Thomas
Treasurer BCS CASG

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(Renewals are due in August of each year)

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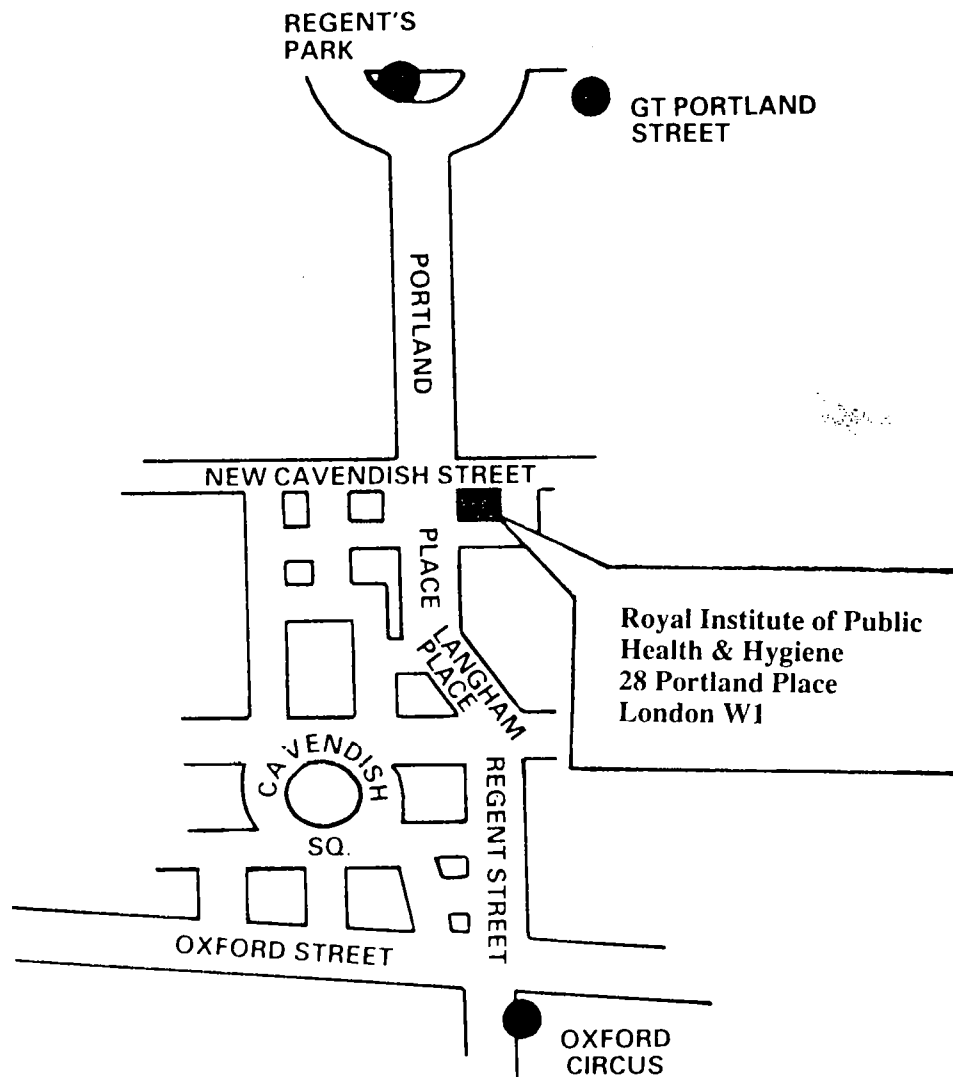
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Venue for Members' Meetings



SUBMISSION DEADLINES

Spring Edition	14th February
Summer Edition	14th May
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West Midlands **To £28,000 + Car**
Large UK based Financial Services company is seeking to recruit an experienced Computer Auditor who would relish the challenge of setting up a department. The successful applicant will have a broad range of skills, on Mainframe, Midrange and PC Platforms, plus strong interpersonal skills. Excellent prospects are on offer.

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MBA